GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: June 11, 2003, 08:00:14 ; Search time 15.125 Seconds
(without alignments)
256.782 Million cell updates/sec

Title: US-09-662-783-4
Perfect score: 737
Sequence: 1 MYLDTPRYRGRSYHDRKSKV.....DIQLDHHERCDCICSSRPPR 132

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	737	100.0	370	4	US-09-457-066-37	Sequence 37, Appl
2	737	100.0	370	4	US-09-540-224-2	Sequence 2, Appli
3	686	93.1	370	4	US-09-540-224-4	Sequence 4, Appli
4	328.5	44.6	345	4	US-09-040-220D-2	Sequence 2, Appli
5	328.5	44.6	345	4	US-09-457-066-2	Sequence 2, Appli
6	328.5	44.6	345	4	US-09-265-686-2	Sequence 2, Appli
7	328.5	44.6	345	4	US-09-540-224-5	Sequence 5, Appli
8	324.5	44.0	345	4	US-09-457-066-43	Sequence 43, Appl
9	118	16.0	24	4	US-09-540-224-9	Sequence 9, Appli
10	103	14.0	321	4	US-08-915-795-9	Sequence 9, Appli
11	103	14.0	325	4	US-08-915-795-3	Sequence 3, Appli
12	103	14.0	354	4	US-08-915-795-5	Sequence 5, Appli
13	103	14.0	358	4	US-08-915-795-8	Sequence 8, Appli
14	102	13.8	109	4	US-09-469-186-1	Sequence 1, Appli
15	95.5	13.0	102	1	US-08-469-427A-2	Sequence 2, Appli
16	95.5	13.0	102	2	US-08-609-443B-2	Sequence 2, Appli
17	95.5	13.0	102	2	US-08-569-063C-2	Sequence 2, Appli
18	95.5	13.0	102	4	US-08-851-896-2	Sequence 2, Appli
19	95.5	13.0	133	1	US-08-469-427A-9	Sequence 9, Appli
20	95.5	13.0	133	2	US-08-609-443B-9	Sequence 9, Appli
21	95.5	13.0	133	2	US-08-569-063C-9	Sequence 9, Appli
22	95.5	13.0	133	4	US-08-851-896-9	Sequence 9, Appli
23	95.5	13.0	188	1	US-08-469-427A-5	Sequence 5, Appli
24	95.5	13.0	188	2	US-08-609-443B-5	Sequence 5, Appli
25	95.5	13.0	188	2	US-08-569-063C-5	Sequence 5, Appli
26	95.5	13.0	188	4	US-08-851-896-5	Sequence 5, Appli
27	95.5	13.0	207	2	US-08-609-443B-13	Sequence 13, Appl
28	95.5	13.0	207	2	US-08-569-063C-13	Sequence 13, Appl
29	95.5	13.0	207	4	US-08-851-896-13	Sequence 13, Appl
30	94	12.8	195	1	US-08-469-427A-7	Sequence 7, Appli
31	94	12.8	195	2	US-08-609-443B-7	Sequence 7, Appli
32	94	12.8	195	2	US-08-569-063C-7	Sequence 7, Appli
33	94	12.8	195	4	US-08-851-896-7	Sequence 7, Appli
34	93	12.6	350	2	US-08-999-811-4	Sequence 4, Appli
35	93	12.6	350	2	US-08-824-996-2	Sequence 2, Appli
36	93	12.6	350	3	US-09-042-105-4	Sequence 4, Appli
37	93	12.6	350	4	US-08-510-133A-33	Sequence 33, Appl
38	93	12.6	350	4	US-08-585-895-33	Sequence 33, Appl
39	93	12.6	419	2	US-08-999-811-2	Sequence 2, Appli
40	93	12.6	419	3	US-09-042-105-2	Sequence 2, Appli
41	93	12.6	419	3	US-09-042-105-18	Sequence 18, Appl
42	93	12.6	419	4	US-08-795-430-8	Sequence 8, Appli
43	93	12.6	419	4	US-08-510-133A-35	Sequence 35, Appl
44	93	12.6	419	4	US-09-355-700-8	Sequence 8, Appli
45	93	12.6	419	4	US-08-601-132-33	Sequence 33, Appl

ALIGNMENTS

RESULT 1
US-09-457-066-37
; Sequence 37, Application US/09457066
; Patent No. 6432673
; GENERAL INFORMATION:
; APPLICANT: Gao, Zeren
; APPLICANT: Hart, Charles E.
; APPLICANT: Piddington, Christopher S.
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Shoemaker, Kimberly E.
; APPLICANT: Gilbertson, Debra G.
; APPLICANT: West, James W.
; TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
; FILE REFERENCE: 98-60
; CURRENT APPLICATION NUMBER: US/09/457,066
; CURRENT FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 37
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-457-066-37

Query Match 100.0%; Score 737; DB 4; Length 370;
Best Local Similarity 100.0%; Pred. No. 3.1e-77;
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        239 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 298

Qy         61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        299 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 358

Qy        121 RCDCICSSRPPR 132
              ||||||||||||
Db        359 RCDCICSSRPPR 370
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RESULT 2
US-09-540-224-2
; Sequence 2, Application US/09540224
; Patent No. 6468543
; GENERAL INFORMATION:
; APPLICANT: Gilbertson, Debra G.
; APPLICANT: Hart, Charles E.
; TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
; TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4

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;  FILE REFERENCE: 00-28
;  CURRENT APPLICATION NUMBER: US/09/540,224
;  CURRENT FILING DATE: 2000-03-31
;  EARLIER APPLICATION NUMBER: US 60/180,169
;  EARLIER FILING DATE: 2000-02-04
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
;   LENGTH: 370
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-540-224-2

  Query Match            100.0%;  Score 737;  DB 4;  Length 370;
  Best Local Similarity  100.0%;  Pred. No. 3.1e-77;
  Matches  132;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        239 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 298

Qy         61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        299 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 358

Qy        121 RCDCICSSRPPR 132
              ||||||||||||
Db        359 RCDCICSSRPPR 370


RESULT 3
US-09-540-224-4
; Sequence 4, Application US/09540224
; Patent No. 6468543
; GENERAL INFORMATION:
;  APPLICANT: Gilbertson, Debra G.
;  APPLICANT: Hart, Charles E.
;  TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
;  TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4
;  FILE REFERENCE: 00-28
;  CURRENT APPLICATION NUMBER: US/09/540,224
;  CURRENT FILING DATE: 2000-03-31
;  EARLIER APPLICATION NUMBER: US 60/180,169
;  EARLIER FILING DATE: 2000-02-04
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
;   LENGTH: 370
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-09-540-224-4

  Query Match            93.1%;  Score 686;  DB 4;  Length 370;
  Best Local Similarity  90.2%;  Pred. No. 2.5e-71;
  Matches  119;  Conservative    7;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 60
              :|||| |||||||||||||||||||| |||||||||:|||:|||||| | ||||||||
Db        239 LYLDTPHYRGRSYHDRKSKVDLDRLNDDVKRYSCTPRNHSVNLREELKLTNAVFFPRCLL 298

Qy         61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
              ||||||||||||||:||||:||||||||||||:||||| ||||:|| ||||||||||||
Db        299 VQRCGGNCGCGTVNWKSCTCSSGKTVKKYHEVLKFEPGHFKRRGKAKNMALVDIQLDHHE 358

Qy        121 RCDCICSSRPPR 132
              ||||||||||||
Db        359 RCDCICSSRPPR 370


RESULT 4
US-09-040-220D-2
; Sequence 2, Application US/09040220D
; Patent No. 6391311
; GENERAL INFORMATION:
;  APPLICANT: Ferrara, Napoleone
;  APPLICANT:  Kuo, Sophia S.
;  TITLE OF INVENTION: NOVEL POLYPEPTIDES HAVING HOMOLOGY TO VASCULAR
;  TITLE OF INVENTION:  ENDOTHELIAL CELL GROWTH FACTOR AND BONE MORPHOGENETIC
;  TITLE OF INVENTION:  PROTEIN 1 AND NUCLEIC ACIDS ENCODING SAME, THEIR USES,
;  TITLE OF INVENTION:  AND PROCESSES FOR THEIR PRODUCTION
;  FILE REFERENCE: P1122
;  CURRENT APPLICATION NUMBER: US/09/040,220D
;  CURRENT FILING DATE:  1998-03-17
;  NUMBER OF SEQ ID NOS: 8
; SEQ ID NO 2
;   LENGTH: 345
;   TYPE: PRT
;   ORGANISM: Human
US-09-040-220D-2

  Query Match            44.6%;  Score 328.5;  DB 4;  Length 345;
  Best Local Similarity  49.2%;  Pred. No. 4.8e-30;
  Matches   63;  Conservative   20;  Mismatches   40;  Indels    5;  Gaps    3;

Qy          1 MYLDTPRYRGRSY-HDRKSK-VDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRC 58
              :|  | :  |:::   ||| ||| | :: : |||||||:||:|||||| : :|:| |
Db        215 LYRPTWQLLGKAFVFGRKSRVVDLNLLTEEVRLYSCTPRNFSVSIREELKRTDTIFWPGC 274

Qy         59 LLVQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDH 118
              |||:|||||| |   |  | |  |  |||||||  |   |   |    :| |: |:|
Db        275 LLVKRCGGNCACCLHNCNECQCVPSKVTKKYHEVLQLRP---KTGVRGLHKSLTDVALEH 331

Qy        119 HERCDCIC 126
              || |||:|
Db        332 HEECDCVC 339


RESULT 5
US-09-457-066-2
; Sequence 2, Application US/09457066
; Patent No. 6432673
; GENERAL INFORMATION:
;  APPLICANT: Gao, Zeren
;  APPLICANT: Hart, Charles E.
;  APPLICANT: Piddington, Christopher S.
;  APPLICANT: Sheppard, Paul O.
;  APPLICANT: Shoemaker, Kimberly E.
;  APPLICANT: Gilbertson, Debra G.
;  APPLICANT: West, James W.
;  TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
;  FILE REFERENCE: 98-60
;  CURRENT APPLICATION NUMBER: US/09/457,066
;  CURRENT FILING DATE: 1999-12-07
;  NUMBER OF SEQ ID NOS: 50
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
;   LENGTH: 345
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-457-066-2

  Query Match            44.6%;  Score 328.5;  DB 4;  Length 345;
  Best Local Similarity  49.2%;  Pred. No. 4.8e-30;
  Matches   63;  Conservative   20;  Mismatches   40;  Indels    5;  Gaps    3;

Qy          1 MYLDTPRYRGRSY-HDRKSK-VDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRC 58
              :|  | :  |:::   ||| ||| | :: : |||||||:||:|||||| : :|:| |
Db        215 LYRPTWQLLGKAFVFGRKSRVVDLNLLTEEVRLYSCTPRNFSVSIREELKRTDTIFWPGC 274

Qy         59 LLVQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDH 118
              |||:|||||| |   |  | |  |  |||||||  |   |   |    :| |: |:|
Db        275 LLVKRCGGNCACCLHNCNECQCVPSKVTKKYHEVLQLRP---KTGVRGLHKSLTDVALEH 331

Qy        119 HERCDCIC 126
              || |||:|
Db        332 HEECDCVC 339
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```
RESULT 6
US-09-265-686-2
; Sequence 2, Application US/09265686
; Patent No. 6455283
; GENERAL INFORMATION:
;  APPLICANT:  Ferrara, Napoleone
;  APPLICANT:  Kuo, Sophia S.
;  TITLE OF INVENTION:  POLYPEPTIDES HOMOLOGOUS TO VEGF AND BMPI
;  FILE REFERENCE:  P1122P2
;  CURRENT APPLICATION NUMBER: US/09/265,686
;  CURRENT FILING DATE:  1999-03-10
;  PRIOR APPLICATION NUMBER:  US 09/040,220
;  PRIOR FILING DATE:  1998-03-17
;  PRIOR APPLICATION NUMBER:  US 09/184,216
;  PRIOR FILING DATE:  1998-11-02
;  NUMBER OF SEQ ID NOS:  8
; SEQ ID NO 2
;   LENGTH: 345
;   TYPE: PRT
;   ORGANISM: Human
US-09-265-686-2

  Query Match             44.6%;  Score 328.5;  DB 4;  Length 345;
  Best Local Similarity   49.2%;  Pred. No. 4.8e-30;
  Matches   63;  Conservative   20;  Mismatches   40;  Indels    5;  Gaps    3;

Qy          1 MYLDTPRYRGRSY-HDRKSK-VDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRC 58
              :|  | :  |:::   |||: ||| | :: : |||||||:||:||||||  : :|:| |
Db        215 LYRPTWQLLGKAFVFGRKSRVVDLNLLTEEVRLYSCTPRNFSVSIREELKRTDTIFWPGC 274

Qy         59 LLVQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDH 118
              |||:|||||| |   |   | |   | ||||||||  |   |   |    :| |: |:|
Db        275 LLVKRCGGNCACCLHNCNECQCVPSKVTKKYHEVLQLRP---KTGVRGLHKSLTDVALEH 331

Qy        119 HERCDCIC 126
              || |||:|
Db        332 HEECDCVC 339


RESULT 7
US-09-540-224-5
; Sequence 5, Application US/09540224
; Patent No. 6468543
; GENERAL INFORMATION:
;  APPLICANT: Gilbertson, Debra G.
;  APPLICANT: Hart, Charles E.
;  TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
;  TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4
;  FILE REFERENCE: 00-28
;  CURRENT APPLICATION NUMBER: US/09/540,224
;  CURRENT FILING DATE: 2000-03-31
;  EARLIER APPLICATION NUMBER: US 60/180,169
;  EARLIER FILING DATE: 2000-02-04
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
;   LENGTH: 345
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-540-224-5

  Query Match             44.6%;  Score 328.5;  DB 4;  Length 345;
  Best Local Similarity   49.2%;  Pred. No. 4.8e-30;
  Matches   63;  Conservative   20;  Mismatches   40;  Indels    5;  Gaps    3;

Qy          1 MYLDTPRYRGRSY-HDRKSK-VDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRC 58
              :|  | :  |:::   |||: ||| | :: : |||||||:||:||||||  : :|:| |
Db        215 LYRPTWQLLGKAFVFGRKSRVVDLNLLTEEVRLYSCTPRNFSVSIREELKRTDTIFWPGC 274

Qy         59 LLVQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDH 118
              |||:|||||| |   |   | |   | ||||||||  |   |   |    :| |: |:|
Db        275 LLVKRCGGNCACCLHNCNECQCVPSKVTKKYHEVLQLRP---KTGVRGLHKSLTDVALEH 331

Qy        119 HERCDCIC 126
              || |||:|
Db        332 HEECDCVC 339


RESULT 8
US-09-457-066-43
; Sequence 43, Application US/09457066
; Patent No. 6432673
; GENERAL INFORMATION:
;  APPLICANT: Gao, Zeren
;  APPLICANT: Hart, Charles E.
;  APPLICANT: Piddington, Christopher S.
;  APPLICANT: Sheppard, Paul O.
;  APPLICANT: Shoemaker, Kimberly E.
;  APPLICANT: Gilbertson, Debra G.
;  APPLICANT: West, James W.
;  TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
;  FILE REFERENCE: 98-60
;  CURRENT APPLICATION NUMBER: US/09/457,066
;  CURRENT FILING DATE: 1999-12-07
;  NUMBER OF SEQ ID NOS: 50
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 43
;   LENGTH: 345
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-09-457-066-43

  Query Match             44.0%;  Score 324.5;  DB 4;  Length 345;
  Best Local Similarity   48.4%;  Pred. No. 1.4e-29;
  Matches   62;  Conservative   22;  Mismatches   39;  Indels    5;  Gaps    3;

Qy          1 MYLDTPRYRGRSY-HDRKSK-VDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRC 58
              :|  | :  |::: : :||| |:|: | :: | |||||||:||:||||||  :: :|:| |
Db        215 LYKPTWQLLGKAFLYGKKSKVVNLNLLKEEVKLYSCTPRNFSVSIREELKRTDTIFWPGC 274

Qy         59 LLVQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDH 118
              |||:|||||| |   |   | |   | ||||||||  |   |   :    :| |: |:|
Db        275 LLVKRCGGNCACCLHNCNECQCVPRKVTKKYHEVLQLRP---KTGVKGLHKSLTDVALEH 331

Qy        119 HERCDCIC 126
              || |||:|
Db        332 HEECDCVC 339


RESULT 9
US-09-540-224-9
; Sequence 9, Application US/09540224
; Patent No. 6468543
; GENERAL INFORMATION:
;  APPLICANT: Gilbertson, Debra G.
;  APPLICANT: Hart, Charles E.
;  TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
;  TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4
;  FILE REFERENCE: 00-28
;  CURRENT APPLICATION NUMBER: US/09/540,224
;  CURRENT FILING DATE: 2000-03-31
;  EARLIER APPLICATION NUMBER: US 60/180,169
;  EARLIER FILING DATE: 2000-02-04
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 9
;   LENGTH: 24
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: peptide
US-09-540-224-9

  Query Match             16.0%;  Score 118;  DB 4;  Length 24;
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  Best Local Similarity   100.0%;  Pred. No. 3.7e-07;
  Matches   23;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         95 FEPGHIKRRGRAKTMALVDIQLD 117
              |||||||||||||||||||||||
Db          2 FEPGHIKRRGRAKTMALVDIQLD 24


RESULT 10
US-08-915-795-9
; Sequence 9, Application US/08915795
; Patent No. 6235713
;  GENERAL INFORMATION:
;    APPLICANT:  Marc G. ACHEN
;    APPLICANT:  Andrew F. WILKS
;    APPLICANT:  Steven A. STACKER
;    APPLICANT:  Kari ALITALO
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Evenson, McKeown, Edwards & Lenahan P.L.L.C.
;      STREET:  1200 G Street, NW, Suite 700
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  United States of America
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/915,795
;      FILING DATE:
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  EVANS, Joseph D.
;      REGISTRATION NUMBER:  26,269
;      REFERENCE/DOCKET NUMBER:  1064/42983
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 628-8800
;      TELEFAX:  (202) 628-8844
;      TELEX:  N/A
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  321 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    ORIGINAL SOURCE:
;      TISSUE TYPE:  Mouse Lung
US-08-915-795-9

  Query Match             14.0%;  Score 103;  DB 4;  Length 321;
  Best Local Similarity   27.0%;  Pred. No. 0.00052;
  Matches   34;  Conservative   17;  Mismatches   47;  Indels   28;  Gaps    6;

Qy          7 RYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREEL-KLANVVFFPRCLLVQRCG 65
              |:    |     ||    :::: :|  |:||   | :  || |  |  | | |: | |||
Db         88 RFAATFYDTETLKV----IDEEWQRTQCSPRETCVEVASELGKTTNTFFKPPCVNVFRCG 143

Qy         66 GNCGCGTVNWRSCTCNSGKT---VKKYHEV---LQFEPGHIKRRGRAKTMALVDIQLDHH 119
              | |     |     | :  |    |:  |:   |   |              || ::: :|
Db        144 GCC-----NEEGVMCMNTSTSYISKQLFEISVPLTSVP-----------ELVPVKIANH 186

Qy        120 ERCDCI 125
                 | |:
Db        187 TGCKCL 192


RESULT 11
US-08-915-795-3
; Sequence 3, Application US/08915795
; Patent No. 6235713
;  GENERAL INFORMATION:
;    APPLICANT:  Marc G. ACHEN
;    APPLICANT:  Andrew F. WILKS
;    APPLICANT:  Steven A. STACKER
;    APPLICANT:  Kari ALITALO
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Evenson, McKeown, Edwards & Lenahan P.L.L.C.
;      STREET:  1200 G Street, NW, Suite 700
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  United States of America
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/915,795
;      FILING DATE:
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  EVANS, Joseph D.
;      REGISTRATION NUMBER:  26,269
;      REFERENCE/DOCKET NUMBER:  1064/42983
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 628-8800
;      TELEFAX:  (202) 628-8844
;      TELEX:  N/A
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  325 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      TISSUE TYPE:  Human Breast
US-08-915-795-3

  Query Match             14.0%;  Score 103;  DB 4;  Length 325;
  Best Local Similarity   27.8%;  Pred. No. 0.00052;
  Matches   35;  Conservative   17;  Mismatches   46;  Indels   28;  Gaps    6;

Qy          7 RYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREEL-KLANVVFFPRCLLVQRCG 65
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Db         59 RFAATFYDIETLKV----IDEEWQRTQCSPRETCVEVASELGKSTNTFFKPPCVNVFRCG 114

Qy         66 GNCGCGTVNWRSCTCNSGKT---VKKYHEV---LQFEPGHIKRRGRAKTMALVDIQLDHH 119
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Db        115 GCC-----NEESLICMNTSTSYISKQLFEISVPLTSVP-----------ELVPVKVANH 157

Qy        120 ERCDCI 125
                 | |:
Db        158 TGCKCL 163


RESULT 12
US-08-915-795-5
; Sequence 5, Application US/08915795
; Patent No. 6235713
;  GENERAL INFORMATION:
;    APPLICANT:  Marc G. ACHEN
;    APPLICANT:  Andrew F. WILKS
;    APPLICANT:  Steven A. STACKER
;    APPLICANT:  Kari ALITALO
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  11
```

```
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Evenson, McKeown, Edwards & Lenahan P.L.L.C.
;      STREET:  1200 G Street, NW, Suite 700
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  United States of America
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/915,795
;      FILING DATE:
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  EVANS, Joseph D.
;      REGISTRATION NUMBER:  26,269
;      REFERENCE/DOCKET NUMBER:  1064/42983
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 628-8800
;      TELEFAX:  (202) 628-8844
;      TELEX:  N/A
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  354 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      TISSUE TYPE:  Human Lung
US-08-915-795-5

  Query Match             14.0%;  Score 103;  DB 4;  Length 354;
  Best Local Similarity   27.8%;  Pred. No. 0.00058;
  Matches   35;  Conservative   17;  Mismatches   46;  Indels   28;  Gaps    6;

Qy          7 RYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREEL-KLANVVFFPRCLLVQRCG 65
              |:    |     ||    :::: :|  |:||   | :  || |  |  | | |: | |||
Db         88 RFAATFYDIETLKV----IDEEWQRTQCSPRETCVEVASELGKSTNTFFKPPCVNVFRCG 143

Qy         66 GNCGCGTVNWRSCTCNSGKT---VKKYHEV---LQFEPGHIKRRGRAKTMALVDIQLDHH 119
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Db        144 GCC-----NEESLICMNTSTSYISKQLFEISVPLTSVP------------ELVPVKVANH 186

Qy        120 ERCDCI 125
                | |:
Db        187 TGCKCL 192


RESULT 13
US-08-915-795-8
; Sequence 8, Application US/08915795
; Patent No. 6235713
;  GENERAL INFORMATION:
;    APPLICANT:  Marc G. ACHEN
;    APPLICANT:  Andrew F. WILKS
;    APPLICANT:  Steven A. STACKER
;    APPLICANT:  Kari ALITALO
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Evenson, McKeown, Edwards & Lenahan P.L.L.C.
;      STREET:  1200 G Street, NW, Suite 700
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  United States of America
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/915,795
;      FILING DATE:
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  EVANS, Joseph D.
;      REGISTRATION NUMBER:  26,269
;      REFERENCE/DOCKET NUMBER:  1064/42983
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 628-8800
;      TELEFAX:  (202) 628-8844
;      TELEX:  N/A
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  358 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    ORIGINAL SOURCE:
;      TISSUE TYPE:  Mouse Lung
US-08-915-795-8

  Query Match             14.0%;  Score 103;  DB 4;  Length 358;
  Best Local Similarity   27.0%;  Pred. No. 0.00059;
  Matches   34;  Conservative   17;  Mismatches   47;  Indels   28;  Gaps    6;

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              |:    |     ||    :::: :|  |:||   | :  || |  |  | | |: | |||
Db         93 RFAATFYDTETLKV----IDEEWQRTQCSPRETCVEVASELGKTTNTFFKPPCVNVFRCG 148

Qy         66 GNCGCGTVNWRSCTCNSGKT---VKKYHEV---LQFEPGHIKRRGRAKTMALVDIQLDHH 119
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Db        149 GCC-----NEEGVMCMNTSTSYISKQLFEISVPLTSVP------------ELVPVKIANH 191

Qy        120 ERCDCI 125
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Db        192 TGCKCL 197


RESULT 14
US-09-469-186-1
; Sequence 1, Application US/09469186
; Patent No. 6383484
; GENERAL INFORMATION:
;  APPLICANT: ACHEN, Marc G.
;  APPLICANT: STACKER, Steve A.
;  TITLE OF INVENTION: ANTIBODIES TO TRUNCATED VEGF-D AND USES THEREOF
;  FILE REFERENCE: ACHEN et al-1064-44660
;  CURRENT APPLICATION NUMBER: US/09/469,186
;  CURRENT FILING DATE: 1999-12-21
;  EARLIER APPLICATION NUMBER: 60/113,254
;  EARLIER FILING DATE: 1998-12-21
;  EARLIER APPLICATION NUMBER: 60/134,556
;  EARLIER FILING DATE: 1999-05-17
;  NUMBER OF SEQ ID NOS: 1
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
;   LENGTH: 109
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-469-186-1

  Query Match             13.8%;  Score 102;  DB 4;  Length 109;
  Best Local Similarity   28.7%;  Pred. No. 0.00017;
  Matches   31;  Conservative   16;  Mismatches   37;  Indels   24;  Gaps    5;

Qy         25 LNDDAKRYSCTPRNYSVNIREEL-KLANVVFFPRCLLVQRCGGNCGCGTVNWRSCTCNSG 83
              :::: :|  |:||   | :  || |  |  | | |: | |||| |     |  | | :
Db         10 IDEEWQRTQCSPRETCVEVASELGKSTNTFFKPPCVNVFRCGGCC-----NEESLICMNT 64
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Qy          84 KT---VKKYHEV---LQFEPGHIKRRGRAKTMALVDIQLDHHERCDCI 125
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Db          65 STSYISKQLFEISVPLTSVP-----------ELVPVKVANHTGCKCL 100


RESULT 15
US-08-469-427A-2
; Sequence 2, Application US/08469427A
; Patent No. 5607918
;  GENERAL INFORMATION:
;    APPLICANT:  Eriksson, Ulf
;    APPLICANT:  Olofsson, Birgitta
;    APPLICANT:  Alitalo, Kari
;    APPLICANT:  Pajusola, Katri
;    TITLE OF INVENTION:  VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;    TITLE OF INVENTION:  DNA CODING THEREFOR
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Evenson, McKeown, Edwards & Lenahan
;      STREET:  1200 G Street, N.W., Suite 700
;      CITY:  Washington
;      STATE:  DC
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/469,427A
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/397,651
;      FILING DATE:  01-MAR-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Evans, Joseph D
;      REGISTRATION NUMBER:  26,269
;      REFERENCE/DOCKET NUMBER:  41979cp2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 628-8800
;      TELEFAX:  (202) 628-8844
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  102 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      TISSUE TYPE:  mouse embryo
US-08-469-427A-2

  Query Match             13.0%;  Score 95.5;  DB 1;  Length 102;
  Best Local Similarity   27.9%;  Pred. No. 0.00091;
  Matches   29;  Conservative   16;  Mismatches   38;  Indels   21;  Gaps    5;

Qy          31 RYSCTPRNYSVNIREELKLANVV--FFPRCLLVQRCGGNCGCGTVNWRSCTCNSGKTVKK 88
               | :| ||   | :  || : |||    | |: |||||   ||   :   |       |:
Db          13 RATCQPREVVVPLSMEL-MGNVVKQLVPSCVTVQRCG---GCCPDDGLECVPTGQHQVRM 68

Qy          89 YHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSSRPPR 132
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Search completed: June 11, 2003, 08:03:30
Job time : 15.125 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: June 11, 2003, 08:02:15 ; Search time 21.5417 Seconds
(without alignments)
632.621 Million cell updates/sec

Title: US-09-662-783-4
Perfect score: 737
Sequence: 1 MYLDTPRYRGRSYHDRKSKV.....DIQLDHHERCDCICSSRPPR 132

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 392085 seqs, 103240269 residues

Total number of hits satisfying chosen parameters: 392085

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA:*
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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
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6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
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8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
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12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
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14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	737	100.0	322	9	US-10-086-623-6	Sequence 6, Appli
2	737	100.0	322	9	US-10-260-539-6	Sequence 6, Appli
3	737	100.0	364	9	US-10-028-072-186	Sequence 186, App
4	737	100.0	364	9	US-10-121-049-186	Sequence 186, App
5	737	100.0	364	9	US-10-123-904-186	Sequence 186, App
6	737	100.0	364	9	US-10-140-470-186	Sequence 186, App
7	737	100.0	364	9	US-10-175-746-186	Sequence 186, App
8	737	100.0	364	9	US-10-176-918-186	Sequence 186, App
9	737	100.0	364	9	US-10-176-921-186	Sequence 186, App
10	737	100.0	364	9	US-10-137-865-186	Sequence 186, App
11	737	100.0	364	9	US-10-140-474-186	Sequence 186, App
12	737	100.0	364	9	US-10-142-431-186	Sequence 186, App
13	737	100.0	364	9	US-10-143-114-186	Sequence 186, App
14	737	100.0	364	9	US-10-140-002-186	Sequence 186, App
15	737	100.0	364	9	US-10-142-419-186	Sequence 186, App
16	737	100.0	364	9	US-10-123-262-186	Sequence 186, App
17	737	100.0	364	9	US-10-142-423-186	Sequence 186, App
18	737	100.0	364	9	US-10-121-050-186	Sequence 186, App
19	737	100.0	364	9	US-10-141-755-186	Sequence 186, App
20	737	100.0	364	9	US-10-143-032-186	Sequence 186, App
21	737	100.0	364	9	US-10-123-108-186	Sequence 186, App
22	737	100.0	364	9	US-10-123-236-186	Sequence 186, App
23	737	100.0	364	9	US-10-123-261-186	Sequence 186, App
24	737	100.0	364	9	US-10-140-921-186	Sequence 186, App
25	737	100.0	364	9	US-10-140-928-186	Sequence 186, App
26	737	100.0	364	9	US-10-121-045-186	Sequence 186, App
27	737	100.0	364	9	US-10-123-292-186	Sequence 186, App
28	737	100.0	364	9	US-10-123-903-186	Sequence 186, App
29	737	100.0	364	9	US-10-124-819-186	Sequence 186, App
30	737	100.0	364	9	US-10-124-822-186	Sequence 186, App
31	737	100.0	364	9	US-10-140-925-186	Sequence 186, App
32	737	100.0	364	9	US-10-160-498-186	Sequence 186, App
33	737	100.0	364	9	US-10-121-041-186	Sequence 186, App
34	737	100.0	364	9	US-10-121-043-186	Sequence 186, App
35	737	100.0	364	9	US-10-121-047-186	Sequence 186, App
36	737	100.0	364	9	US-10-123-215-186	Sequence 186, App
37	737	100.0	364	9	US-10-123-902-186	Sequence 186, App
38	737	100.0	364	9	US-10-123-908-186	Sequence 186, App
39	737	100.0	364	9	US-10-123-909-186	Sequence 186, App
40	737	100.0	364	9	US-10-123-910-186	Sequence 186, App
41	737	100.0	364	9	US-10-124-813-186	Sequence 186, App
42	737	100.0	364	9	US-10-124-817-186	Sequence 186, App
43	737	100.0	364	9	US-10-124-824-186	Sequence 186, App
44	737	100.0	364	9	US-10-125-922-186	Sequence 186, App
45	737	100.0	364	9	US-10-125-924-186	Sequence 186, App

ALIGNMENTS

RESULT 1
US-10-086-623-6
; Sequence 6, Application US/10086623
; Patent No. US20020164710A1
; GENERAL INFORMATION:
; APPLICANT: ERIKSSON, Ulf
; APPLICANT: AASE, Karin
; APPLICANT: LI, Xuri
; APPLICANT: PONTEN, Annica
; APPLICANT: UUTELA, Marko
; APPLICANT: ALITALO, Kari
; APPLICANT: OESTMAN, Arne
; APPLICANT: HELDIN, Carl-Henrik
; TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES
; FILE REFERENCE: 1064/44833C2
; CURRENT APPLICATION NUMBER: US/10/086,623
; CURRENT FILING DATE: 2000-03-04
; PRIOR APPLICATION NUMBER: US 60/107,852
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 60/113,997
; PRIOR FILING DATE: 1998-12-28
; PRIOR APPLICATION NUMBER: US 60/150,604
; PRIOR FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: US 60/157,108
; PRIOR FILING DATE: 1999-10-04
; PRIOR APPLICATION NUMBER: US 60/157,756
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: US 09/438,046
; PRIOR FILING DATE: 1999-11-10
; PRIOR APPLICATION NUMBER: US 09/691,200
; PRIOR FILING DATE: 2000-10-19
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 322
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-086-623-6

Query Match 100.0%; Score 737; DB 9; Length 322;
Best Local Similarity 100.0%; Pred. No. 6.2e-69;
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy         61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
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Db        251 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 310

Qy        121 RCDCICSSRPPR 132
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Db        311 RCDCICSSRPPR 322


RESULT 2
US-10-260-539-6
; Sequence 6, Application US/10260539
; Publication No. US20030073637A1
; GENERAL INFORMATION:
;  APPLICANT: ERIKSSON, Ulf
;  APPLICANT:  AASE, Karin
;  APPLICANT:  LI, Xuri
;  APPLICANT:  PONTEN, Annica
;  APPLICANT:  UUTELA, Marko
;  APPLICANT:  ALITALO, Kari
;  APPLICANT:  OESTMAN, Arne
;  APPLICANT:  HELDIN, Carl-Henrik
;  TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES TH
;  FILE REFERENCE: 1064/44833C2
;  CURRENT APPLICATION NUMBER: US/10/260,539
;  CURRENT FILING DATE:  2002-10-01
;  PRIOR APPLICATION NUMBER: US/10/086,623
;  PRIOR FILING DATE: 2000-03-04
;  PRIOR APPLICATION NUMBER: US 60/107,852
;  PRIOR FILING DATE: 1998-11-10
;  PRIOR APPLICATION NUMBER: US 60/113,997
;  PRIOR FILING DATE: 1998-12-28
;  PRIOR APPLICATION NUMBER: US 60/150,604
;  PRIOR FILING DATE: 1999-08-26
;  PRIOR APPLICATION NUMBER: US 60/157,108
;  PRIOR FILING DATE: 1999-10-04
;  PRIOR APPLICATION NUMBER: US 60/157,756
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: US 09/438,046
;  PRIOR FILING DATE: 1999-11-10
;  PRIOR APPLICATION NUMBER: US 09/691,200
;  PRIOR FILING DATE: 2000-10-19
;  NUMBER OF SEQ ID NOS: 42
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 322
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-260-539-6

  Query Match           100.0%;  Score 737;  DB 9;  Length 322;
  Best Local Similarity  100.0%;  Pred. No. 6.2e-69;
  Matches  132;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 60
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Db        191 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 250

Qy         61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        251 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 310

Qy        121 RCDCICSSRPPR 132
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Db        311 RCDCICSSRPPR 322


RESULT 3
US-10-028-072-186
; Sequence 186, Application US/10028072
; Publication No. US20030004311A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang
;  TITLE OF INVENTION:
;  FILE REFERENCE:
;  CURRENT APPLICATION NUMBER: US/10/028,072
;  CURRENT FILING DATE:  2001-12-19
;  PRIOR APPLICATION NUMBER: 60/049911
;  PRIOR FILING DATE: 1997-06-18
;  PRIOR APPLICATION NUMBER: 60/056974
;  PRIOR FILING DATE: 1997-08-26
;  PRIOR APPLICATION NUMBER: 60/059113
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/059115
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/059117
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/059122
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/059184
;  PRIOR FILING DATE: 1997-09-17
;  PRIOR APPLICATION NUMBER: 60/059263
;  PRIOR FILING DATE: 1997-09-18
;  PRIOR APPLICATION NUMBER: 60/059352
;  PRIOR FILING DATE: 1997-09-19
;  PRIOR APPLICATION NUMBER: 60/059588
;  PRIOR FILING DATE: 1997-09-19
;  PRIOR APPLICATION NUMBER: 60/059836
;  PRIOR FILING DATE: 1997-09-24
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/062285
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/062287
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/062814
;  PRIOR FILING DATE: 1997-10-24
;  PRIOR APPLICATION NUMBER: 60/062816
;  PRIOR FILING DATE: 1997-10-24
;  PRIOR APPLICATION NUMBER: 60/063045
;  PRIOR FILING DATE: 1997-10-24
;  PRIOR APPLICATION NUMBER: 60/063082
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: 60/063127
;  PRIOR FILING DATE: 1997-10-24
;  PRIOR APPLICATION NUMBER: 60/063327
;  PRIOR FILING DATE: 1997-10-27
;  PRIOR APPLICATION NUMBER: 60/063329
;  PRIOR FILING DATE: 1997-10-27
;  PRIOR APPLICATION NUMBER: 60/063550
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/063561
;  PRIOR FILING DATE: 1997-10-28
;  PRIOR APPLICATION NUMBER: 60/063704
;  PRIOR FILING DATE: 1997-10-29
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; PRIOR APPLICATION NUMBER: 60/063733
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063735
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063738
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063755
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064248
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/064809
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065846
; PRIOR FILING DATE: 1997-11-17
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/066453
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/066511
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/069212
; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069278
; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069334
; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069694
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 60/072320
; PRIOR FILING DATE: 1998-01-23
; PRIOR APPLICATION NUMBER: 60/073612
; PRIOR FILING DATE: 1998-02-04
; PRIOR APPLICATION NUMBER: 60/074086
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/074092
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079663
; PRIOR FILING DATE: 1998-02-27
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/080165
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/081203
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081229
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081695
; PRIOR FILING DATE: 1998-04-14
; PRIOR APPLICATION NUMBER: 60/081817
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081818
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082999
; PRIOR FILING DATE: 1998-04-24
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083545
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085149
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086414
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/086430
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088730
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088741
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 19/98-06-11
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090538
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07

Query Match 100.0%; Score 737; DB 9; Length 364;
Best Local Similarity 100.0%; Pred. No. 7.2e-69;
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        233 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 292

Qy         61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        293 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 352

Qy        121 RCDCICSSRPPR 132
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Db        353 RCDCICSSRPPR 364
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RESULT 4
US-10-121-049-186
; Sequence 186, Application US/10121049
; Publication No. US20030022239A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C17
;  CURRENT APPLICATION NUMBER: US/10/121,049
;  CURRENT FILING DATE:  2002-04-12
;       Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-121-049-186

  Query Match             100.0%;  Score 737;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.2e-69;
  Matches  132;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        233 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 292

Qy         61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        293 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 352

Qy        121 RCDCICSSRPPR 132
              ||||||||||||
Db        353 RCDCICSSRPPR 364


RESULT 5
US-10-123-904-186
; Sequence 186, Application US/10123904
; Publication No. US20030022328A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C54
;  CURRENT APPLICATION NUMBER: US/10/123,904
;  CURRENT FILING DATE:  2002-04-16
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-123-904-186

  Query Match             100.0%;  Score 737;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.2e-69;
  Matches  132;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        233 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 292

Qy         61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        293 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 352

Qy        121 RCDCICSSRPPR 132
              ||||||||||||
Db        353 RCDCICSSRPPR 364


RESULT 6
US-10-140-470-186
; Sequence 186, Application US/10140470
; Publication No. US20030022331A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C160
;  CURRENT APPLICATION NUMBER: US/10/140,470
;  CURRENT FILING DATE:  2002-05-06
;  Prior Application removed - See Palm or File Wrapper
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-140-470-186

  Query Match             100.0%;  Score 737;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.2e-69;
  Matches  132;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        233 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 292
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Qy          61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         293 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 352

Qy         121 RCDCICSSRPPR 132
               ||||||||||||
Db         353 RCDCICSSRPPR 364


RESULT 7
US-10-175-746-186
; Sequence 186, Application US/10175746
; Publication No. US20030027270A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C353
;  CURRENT APPLICATION NUMBER: US/10/175,746
;  CURRENT FILING DATE:  2002-06-19
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-175-746-186

  Query Match             100.0%;  Score 737;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.2e-69;
  Matches  132;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy           1 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 60
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         233 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 292

Qy          61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         293 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 352

Qy         121 RCDCICSSRPPR 132
               ||||||||||||
Db         353 RCDCICSSRPPR 364


RESULT 8
US-10-176-918-186
; Sequence 186, Application US/10176918
; Publication No. US20030027275A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C382
;  CURRENT APPLICATION NUMBER: US/10/176,918
;  CURRENT FILING DATE:  2002-06-20
;     Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-176-918-186

  Query Match             100.0%;  Score 737;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.2e-69;
  Matches  132;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy           1 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 60
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         233 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 292

Qy          61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         293 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 352

Qy         121 RCDCICSSRPPR 132
               ||||||||||||
Db         353 RCDCICSSRPPR 364


RESULT 9
US-10-176-921-186
; Sequence 186, Application US/10176921
; Publication No. US20030027276A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C288
;  CURRENT APPLICATION NUMBER: US/10/176,921
;  CURRENT FILING DATE:  2002-06-20
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
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;   ORGANISM: Homo Sapien
US-10-176-921-186

  Query Match            100.0%;  Score 737;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.2e-69;
  Matches  132;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        233 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 292

Qy         61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        293 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 352

Qy        121 RCDCICSSRPPR 132
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Db        353 RCDCICSSRPPR 364


RESULT 10
US-10-137-865-186
; Sequence 186, Application US/10137865
; Publication No. US20030032155A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C154
;  CURRENT APPLICATION NUMBER: US/10/137,865
;  CURRENT FILING DATE:  2002-05-03
;  Prior Application removed - See Palm or File Wrapper
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-137-865-186

  Query Match            100.0%;  Score 737;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.2e-69;
  Matches  132;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        233 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 292

Qy         61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        293 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 352

Qy        121 RCDCICSSRPPR 132
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Db        353 RCDCICSSRPPR 364


RESULT 11
US-10-140-474-186
; Sequence 186, Application US/10140474
; Publication No. US20030032156A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C162
;  CURRENT APPLICATION NUMBER: US/10/140,474
;  CURRENT FILING DATE:  2002-05-06
;  Prior Application removed - See Palm or File Wrapper
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-140-474-186

  Query Match            100.0%;  Score 737;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.2e-69;
  Matches  132;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        233 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 292

Qy         61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        293 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 352

Qy        121 RCDCICSSRPPR 132
              ||||||||||||
Db        353 RCDCICSSRPPR 364


RESULT 12
US-10-142-431-186
; Sequence 186, Application US/10142431
; Publication No. US20030036179A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
```

```
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C251
;  CURRENT APPLICATION NUMBER: US/10/142,431
;  CURRENT FILING DATE:  2002-05-10
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-142-431-186

  Query Match             100.0%;  Score 737;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.2e-69;
  Matches  132;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        233 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 292

Qy         61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
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Db        293 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 352

Qy        121 RCDCICSSRPPR 132
              ||||||||||||
Db        353 RCDCICSSRPPR 364


RESULT 13
US-10-143-114-186
; Sequence 186, Application US/10143114
; Publication No. US20030036180A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C211
;  CURRENT APPLICATION NUMBER: US/10/143,114
;  CURRENT FILING DATE:  2002-05-09
;  Prior Application removed - See Palm or File Wrapper
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-143-114-186

  Query Match             100.0%;  Score 737;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.2e-69;
  Matches  132;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        233 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 292

Qy         61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        293 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 352

Qy        121 RCDCICSSRPPR 132
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Db        353 RCDCICSSRPPR 364


RESULT 14
US-10-140-002-186
; Sequence 186, Application US/10140002
; Publication No. US20030037623A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C59
;  CURRENT APPLICATION NUMBER: US/10/140,002
;  CURRENT FILING DATE:  2002-05-06
;  Prior Application removed - See Palm or File Wrapper
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-140-002-186

  Query Match             100.0%;  Score 737;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.2e-69;
  Matches  132;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        233 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 292

Qy         61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        293 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 352

Qy        121 RCDCICSSRPPR 132
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Db        353 RCDCICSSRPPR 364


RESULT 15
US-10-142-419-186
; Sequence 186, Application US/10142419
; Publication No. US20030044945A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
```

```
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C244
;  CURRENT APPLICATION NUMBER: US/10/142,419
;  CURRENT FILING DATE:  2002-05-10
;  Prior Apploication removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-142-419-186

  Query Match           100.0%;  Score 737;  DB 9;  Length 364;
  Best Local Similarity  100.0%;  Pred. No. 7.2e-69;
  Matches  132;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        233 MYLDTPRYRGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLL 292

Qy         61 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        293 VQRCGGNCGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHE 352

Qy        121 RCDCICSSRPPR 132
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Db        353 RCDCICSSRPPR 364


Search completed: June 11, 2003, 08:16:59
Job time : 22.5417 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: June 11, 2003, 08:00:14 ; Search time 14.2083 Seconds
(without alignments)
256.782 Million cell updates/sec

Title: US-09-662-783-2_COPY_247_370
Perfect score: 691
Sequence: 1 RGRSYHDRKSKVDLDRLNDD.....DIQLDHHERCDCICSSRPPR 124

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	691	100.0	370	4	US-09-457-066-37	Sequence 37, Appl
2	691	100.0	370	4	US-09-540-224-2	Sequence 2, Appli
3	648	93.8	370	4	US-09-540-224-4	Sequence 4, Appli
4	324	46.9	345	4	US-09-040-220D-2	Sequence 2, Appli
5	324	46.9	345	4	US-09-457-066-2	Sequence 2, Appli
6	324	46.9	345	4	US-09-265-686-2	Sequence 2, Appli
7	324	46.9	345	4	US-09-540-224-5	Sequence 5, Appli
8	319.5	46.2	345	4	US-09-457-066-43	Sequence 43, Appl
9	118	17.1	24	4	US-09-540-224-9	Sequence 9, Appli
10	102	14.8	109	4	US-09-469-186-1	Sequence 1, Appli
11	102	14.8	325	4	US-08-915-795-3	Sequence 3, Appli
12	102	14.8	354	4	US-08-915-795-5	Sequence 5, Appli
13	101.5	14.7	321	4	US-08-915-795-9	Sequence 9, Appli
14	101.5	14.7	358	4	US-08-915-795-8	Sequence 8, Appli
15	95.5	13.8	102	1	US-08-469-427A-2	Sequence 2, Appli
16	95.5	13.8	102	2	US-08-609-443B-2	Sequence 2, Appli
17	95.5	13.8	102	2	US-08-569-063C-2	Sequence 2, Appli
18	95.5	13.8	102	4	US-08-851-896-2	Sequence 2, Appli
19	95.5	13.8	133	1	US-08-469-427A-9	Sequence 9, Appli
20	95.5	13.8	133	2	US-08-609-443B-9	Sequence 9, Appli
21	95.5	13.8	133	2	US-08-569-063C-9	Sequence 9, Appli
22	95.5	13.8	133	4	US-08-851-896-9	Sequence 9, Appli
23	95.5	13.8	188	1	US-08-469-427A-5	Sequence 5, Appli
24	95.5	13.8	188	2	US-08-609-443B-5	Sequence 5, Appli
25	95.5	13.8	188	2	US-08-569-063C-5	Sequence 5, Appli
26	95.5	13.8	188	4	US-08-851-896-5	Sequence 5, Appli
27	95.5	13.8	207	2	US-08-609-443B-13	Sequence 13, Appl
28	95.5	13.8	207	2	US-08-569-063C-13	Sequence 13, Appl
29	95.5	13.8	207	4	US-08-851-896-13	Sequence 13, Appl
30	94	13.6	195	1	US-08-469-427A-7	Sequence 7, Appli
31	94	13.6	195	2	US-08-609-443B-7	Sequence 7, Appli
32	94	13.6	195	2	US-08-569-063C-7	Sequence 7, Appli
33	94	13.6	195	4	US-08-851-896-7	Sequence 7, Appli
34	93	13.5	350	2	US-08-999-811-4	Sequence 4, Appli
35	93	13.5	350	2	US-08-824-996-2	Sequence 2, Appli
36	93	13.5	350	3	US-09-042-105-4	Sequence 4, Appli
37	93	13.5	350	4	US-08-510-133A-33	Sequence 33, Appl
38	93	13.5	350	4	US-08-585-895-33	Sequence 33, Appl
39	93	13.5	419	2	US-08-999-811-2	Sequence 2, Appli
40	93	13.5	419	3	US-09-042-105-2	Sequence 2, Appli
41	93	13.5	419	3	US-09-042-105-18	Sequence 18, Appl
42	93	13.5	419	4	US-08-795-430-8	Sequence 8, Appli
43	93	13.5	419	4	US-08-510-133A-35	Sequence 35, Appl
44	93	13.5	419	4	US-09-355-700-8	Sequence 8, Appli
45	93	13.5	419	4	US-08-601-132-33	Sequence 33, Appl

ALIGNMENTS

RESULT 1
US-09-457-066-37
; Sequence 37, Application US/09457066
; Patent No. 6432673
; GENERAL INFORMATION:
; APPLICANT: Gao, Zeren
; APPLICANT: Hart, Charles E.
; APPLICANT: Piddington, Christopher S.
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Shoemaker, Kimberly E.
; APPLICANT: Gilbertson, Debra G.
; APPLICANT: West, James W.
; TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
; FILE REFERENCE: 98-60
; CURRENT APPLICATION NUMBER: US/09/457,066
; CURRENT FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 37
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-457-066-37

Query Match 100.0%; Score 691; DB 4; Length 370;
Best Local Similarity 100.0%; Pred. No. 7.4e-72;
Matches 124; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        247 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 306

Qy         61 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        307 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 366

Qy        121 RPPR 124
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Db        367 RPPR 370
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RESULT 2
US-09-540-224-2
; Sequence 2, Application US/09540224
; Patent No. 6468543
; GENERAL INFORMATION:
; APPLICANT: Gilbertson, Debra G.
; APPLICANT: Hart, Charles E.
; TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
; TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4

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;  FILE REFERENCE: 00-28
;  CURRENT APPLICATION NUMBER: US/09/540,224
;  CURRENT FILING DATE: 2000-03-31
;  EARLIER APPLICATION NUMBER: US 60/180,169
;  EARLIER FILING DATE: 2000-02-04
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
;    LENGTH: 370
;    TYPE: PRT
;    ORGANISM: Homo sapiens
US-09-540-224-2

  Query Match           100.0%;  Score 691;  DB 4;  Length 370;
  Best Local Similarity  100.0%;  Pred. No. 7.4e-72;
  Matches  124;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        247 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 306

Qy         61 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        307 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 366

Qy        121 RPPR 124
              ||||
Db        367 RPPR 370


RESULT 3
US-09-540-224-4
; Sequence 4, Application US/09540224
; Patent No. 6468543
; GENERAL INFORMATION:
;  APPLICANT: Gilbertson, Debra G.
;  APPLICANT: Hart, Charles E.
;  TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
;  TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4
;  FILE REFERENCE: 00-28
;  CURRENT APPLICATION NUMBER: US/09/540,224
;  CURRENT FILING DATE: 2000-03-31
;  EARLIER APPLICATION NUMBER: US 60/180,169
;  EARLIER FILING DATE: 2000-02-04
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
;    LENGTH: 370
;    TYPE: PRT
;    ORGANISM: Mus musculus
US-09-540-224-4

  Query Match           93.8%;  Score 648;  DB 4;  Length 370;
  Best Local Similarity  91.1%;  Pred. No. 6.8e-67;
  Matches  113;  Conservative    6;  Mismatches    5;  Indels    0;  Gaps    0;

Qy          1 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 60
              ||||||||||||||||||| ||||||||:|||:|||||| | ||||||||||||||||||
Db        247 RGRSYHDRKSKVDLDRLNDDVKRYSCTPRNHSVNLREELKLTNAVFFPRCLLVQRCGGNC 306

Qy         61 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 120
              |||||||:||||:||||||||||||:|||||  |||||:|| ||||||||||||||||||
Db        307 GCGTVNWKSCTCSSGKTVKKYHEVLKFEPGHFKRRGKAKNMALVDIQLDHHERCDCICSS 366

Qy        121 RPPR 124
              ||||
Db        367 RPPR 370


RESULT 4
US-09-040-220D-2
; Sequence 2, Application US/09040220D
; Patent No. 6391311
; GENERAL INFORMATION:
;  APPLICANT: Ferrara, Napoleone
;  APPLICANT:  Kuo, Sophia S.
;  TITLE OF INVENTION: NOVEL POLYPEPTIDES HAVING HOMOLOGY TO VASCULAR
;  TITLE OF INVENTION:  ENDOTHELIAL CELL GROWTH FACTOR AND BONE MORPHOGENETIC
;  TITLE OF INVENTION:  PROTEIN 1 AND NUCLEIC ACIDS ENCODING SAME, THEIR USES,
;  TITLE OF INVENTION:  AND PROCESSES FOR THEIR PRODUCTION
;  FILE REFERENCE: P1122
;  CURRENT APPLICATION NUMBER: US/09/040,220D
;  CURRENT FILING DATE:  1998-03-17
;  NUMBER OF SEQ ID NOS: 8
; SEQ ID NO 2
;    LENGTH: 345
;    TYPE: PRT
;    ORGANISM: Human
US-09-040-220D-2

  Query Match           46.9%;  Score 324;  DB 4;  Length 345;
  Best Local Similarity  53.6%;  Pred. No. 1.6e-29;
  Matches   60;  Conservative   15;  Mismatches   33;  Indels    4;  Gaps    2;

Qy          8 RKSK-VDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNCGCGTVN 66
              |||: ||||: | :: : |||||||:||:|||||  : :|:| ||||:|||||| |   |
Db        231 RKSRVVDLNLLTEEVRLYSCTPRNFSVSIREELKRTDTIFWPGCLLVKRCGGNCACCLHN 290

Qy         67 WRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCIC 118
                | |   |  ||||||||  |   |   |    :| |: |:||| |||:|
Db        291 CNECQCVPSKVTKKYHEVLQLRP---KTGVRGLHKSLTDVALEHHEECDCVC 339


RESULT 5
US-09-457-066-2
; Sequence 2, Application US/09457066
; Patent No. 6432673
; GENERAL INFORMATION:
;  APPLICANT: Gao, Zeren
;  APPLICANT: Hart, Charles E.
;  APPLICANT: Piddington, Christopher S.
;  APPLICANT: Sheppard, Paul O.
;  APPLICANT: Shoemaker, Kimberly E.
;  APPLICANT: Gilbertson, Debra G.
;  APPLICANT: West, James W.
;  TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
;  FILE REFERENCE: 98-60
;  CURRENT APPLICATION NUMBER: US/09/457,066
;  CURRENT FILING DATE: 1999-12-07
;  NUMBER OF SEQ ID NOS: 50
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
;    LENGTH: 345
;    TYPE: PRT
;    ORGANISM: Homo sapiens
US-09-457-066-2

  Query Match           46.9%;  Score 324;  DB 4;  Length 345;
  Best Local Similarity  53.6%;  Pred. No. 1.6e-29;
  Matches   60;  Conservative   15;  Mismatches   33;  Indels    4;  Gaps    2;

Qy          8 RKSK-VDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNCGCGTVN 66
              |||: ||||: | :: : |||||||:||:|||||  : :|:| ||||:|||||| |   |
Db        231 RKSRVVDLNLLTEEVRLYSCTPRNFSVSIREELKRTDTIFWPGCLLVKRCGGNCACCLHN 290

Qy         67 WRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCIC 118
                | |   |  ||||||||  |   |   |    :| |: |:||| |||:|
Db        291 CNECQCVPSKVTKKYHEVLQLRP---KTGVRGLHKSLTDVALEHHEECDCVC 339


RESULT 6
US-09-265-686-2
; Sequence 2, Application US/09265686
; Patent No. 6455283
; GENERAL INFORMATION:
;  APPLICANT:  Ferrara, Napoleone
```

```
;  APPLICANT:  Kuo, Sophia S.
;  TITLE OF INVENTION:  POLYPEPTIDES HOMOLOGOUS TO VEGF AND BMPI
;  FILE REFERENCE:  P1122P2
;  CURRENT APPLICATION NUMBER: US/09/265,686
;  CURRENT FILING DATE:  1999-03-10
;  PRIOR APPLICATION NUMBER:  US 09/040,220
;  PRIOR FILING DATE:  1998-03-17
;  PRIOR APPLICATION NUMBER:  US 09/184,216
;  PRIOR FILING DATE:  1998-11-02
;  NUMBER OF SEQ ID NOS:  8
; SEQ ID NO 2
;   LENGTH: 345
;   TYPE: PRT
;   ORGANISM: Human
US-09-265-686-2

  Query Match             46.9%;  Score 324;  DB 4;  Length 345;
  Best Local Similarity   53.6%;  Pred. No. 1.6e-29;
  Matches   60;  Conservative   15;  Mismatches   33;  Indels    4;  Gaps    2;

Qy          8 RKSK-VDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNCGCGTVN 66
              |||: ||| | :: : |||||||:||:|||||| : :|:| ||||:|||||| |   |
Db        231 RKSRVVDLNLLTEEVRLYSCTPRNFSVSIREELKRTDTIFWPGCLLVKRCGGNCACCLHN 290

Qy         67 WRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCIC 118
                | |   |  ||||||||  |   |   |    :| |: |:||| |||:|
Db        291 CNECQCVPSKVTKKYHEVLQLRP---KTGVRGLHKSLTDVALEHHEECDCVC 339


RESULT 7
US-09-540-224-5
; Sequence 5, Application US/09540224
; Patent No. 6468543
; GENERAL INFORMATION:
;  APPLICANT: Gilbertson, Debra G.
;  APPLICANT: Hart, Charles E.
;  TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
;  TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4
;  FILE REFERENCE: 00-28
;  CURRENT APPLICATION NUMBER: US/09/540,224
;  CURRENT FILING DATE: 2000-03-31
;  EARLIER APPLICATION NUMBER: US 60/180,169
;  EARLIER FILING DATE: 2000-02-04
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
;   LENGTH: 345
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-540-224-5

  Query Match             46.9%;  Score 324;  DB 4;  Length 345;
  Best Local Similarity   53.6%;  Pred. No. 1.6e-29;
  Matches   60;  Conservative   15;  Mismatches   33;  Indels    4;  Gaps    2;

Qy          8 RKSK-VDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNCGCGTVN 66
              |||: ||| | :: : |||||||:||:|||||| : :|:| ||||:|||||| |   |
Db        231 RKSRVVDLNLLTEEVRLYSCTPRNFSVSIREELKRTDTIFWPGCLLVKRCGGNCACCLHN 290

Qy         67 WRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCIC 118
                | |   |  ||||||||  |   |   |    :| |: |:||| |||:|
Db        291 CNECQCVPSKVTKKYHEVLQLRP---KTGVRGLHKSLTDVALEHHEECDCVC 339


RESULT 8
US-09-457-066-43
; Sequence 43, Application US/09457066
; Patent No. 6432673
; GENERAL INFORMATION:
;  APPLICANT: Gao, Zeren
;  APPLICANT: Hart, Charles E.
;  APPLICANT: Piddington, Christopher S.
;  APPLICANT: Sheppard, Paul O.
;  APPLICANT: Shoemaker, Kimberly E.
;  APPLICANT: Gilbertson, Debra G.
;  APPLICANT: West, James W.
;  TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
;  FILE REFERENCE: 98-60
;  CURRENT APPLICATION NUMBER: US/09/457,066
;  CURRENT FILING DATE: 1999-12-07
;  NUMBER OF SEQ ID NOS: 50
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 43
;   LENGTH: 345
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-09-457-066-43

  Query Match             46.2%;  Score 319.5;  DB 4;  Length 345;
  Best Local Similarity   50.4%;  Pred. No. 5.3e-29;
  Matches   60;  Conservative   20;  Mismatches   34;  Indels    5;  Gaps    3;

Qy          2 GRSY-HDRKSK-VDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGN 59
              |::: : :||| |:|: | :: | |||||||:||:|||||| : :|:| ||||:|||||
Db        224 GKAFLYGKKSKVVNLNLLKEEVKLYSCTPRNFSVSIREELKRTDTIFWPGCLLVKRCGGN 283

Qy         60 CGCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCIC 118
              | |   |  | |   | ||||||| |   |   :   :| |: |:||| |||:|
Db        284 CACCLHNCNECQCVPRKVTKKYHEVLQLRP---KTGVKGLHKSLTDVALEHHEECDCVC 339


RESULT 9
US-09-540-224-9
; Sequence 9, Application US/09540224
; Patent No. 6468543
; GENERAL INFORMATION:
;  APPLICANT: Gilbertson, Debra G.
;  APPLICANT: Hart, Charles E.
;  TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
;  TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4
;  FILE REFERENCE: 00-28
;  CURRENT APPLICATION NUMBER: US/09/540,224
;  CURRENT FILING DATE: 2000-03-31
;  EARLIER APPLICATION NUMBER: US 60/180,169
;  EARLIER FILING DATE: 2000-02-04
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 9
;   LENGTH: 24
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: peptide
US-09-540-224-9

  Query Match             17.1%;  Score 118;  DB 4;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 3.7e-07;
  Matches   23;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         87 FEPGHIKRRGRAKTMALVDIQLD 109
              |||||||||||||||||||||||
Db          2 FEPGHIKRRGRAKTMALVDIQLD 24


RESULT 10
US-09-469-186-1
; Sequence 1, Application US/09469186
; Patent No. 6383484
; GENERAL INFORMATION:
;  APPLICANT: ACHEN, Marc G.
;  APPLICANT: STACKER, Steve A.
;  TITLE OF INVENTION: ANTIBODIES TO TRUNCATED VEGF-D AND USES THEREOF
;  FILE REFERENCE: ACHEN et al-1064-44660
;  CURRENT APPLICATION NUMBER: US/09/469,186
;  CURRENT FILING DATE: 1999-12-21
;  EARLIER APPLICATION NUMBER: 60/113,254
```

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;  EARLIER FILING DATE: 1998-12-21
;  EARLIER APPLICATION NUMBER: 60/134,556
;  EARLIER FILING DATE: 1999-05-17
;  NUMBER OF SEQ ID NOS: 1
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
;   LENGTH: 109
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-469-186-1

  Query Match            14.8%;  Score 102;  DB 4;  Length 109;
  Best Local Similarity  28.7%;  Pred. No. 0.00017;
  Matches   31;  Conservative   16;  Mismatches   37;  Indels   24;  Gaps    5;

Qy         17 LNDDAKRYSCTPRNYSVNIREEL-KLANVVFFPRCLLVQRCGGNCGCGTVNWRSCTCNSG 75
              :::: :|  |:||   |: || |  |  | | |: | |||| |     |  |  | :
Db         10 IDEEWQRTQCSPRETCVEVASELGKSTNTFFKPPCVNVFRCGGCC-----NEESLICMNT 64

Qy         76 KT---VKKYHEV---LQFEPGHIKRRGRAKTMALVDIQLDHHERCDCI 117
                |    |:  |:   |   |             || ::: :|  | |:
Db         65 STSYISKQLFEISVPLTSVP------------ELVPVKVANHTGCKCL 100


RESULT 11
US-08-915-795-3
; Sequence 3, Application US/08915795
; Patent No. 6235713
;  GENERAL INFORMATION:
;    APPLICANT:  Marc G. ACHEN
;    APPLICANT:  Andrew F. WILKS
;    APPLICANT:  Steven A. STACKER
;    APPLICANT:  Kari ALITALO
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Evenson, McKeown, Edwards & Lenahan P.L.L.C.
;      STREET:  1200 G Street, NW, Suite 700
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  United States of America
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/915,795
;      FILING DATE:
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  EVANS, Joseph D.
;      REGISTRATION NUMBER:  26,269
;      REFERENCE/DOCKET NUMBER:  1064/42983
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 628-8800
;      TELEFAX:  (202) 628-8844
;      TELEX:  N/A
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  325 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      TISSUE TYPE:  Human Breast
US-08-915-795-3

  Query Match            14.8%;  Score 102;  DB 4;  Length 325;
  Best Local Similarity  28.7%;  Pred. No. 0.00063;
  Matches   31;  Conservative   16;  Mismatches   37;  Indels   24;  Gaps    5;

Qy         17 LNDDAKRYSCTPRNYSVNIREEL-KLANVVFFPRCLLVQRCGGNCGCGTVNWRSCTCNSG 75
              :::: :|  |:||   | :  || |  |  | | |: | |||| |     |  |  | :
Db        102 IDEEWQRTQCSPRETCVEVASELGKSTNTFFKPPCVNVFRCGGCC-----NEESLICMNT 156

Qy         76 KT---VKKYHEV---LQFEPGHIKRRGRAKTMALVDIQLDHHERCDCI 117
                |    |:  |:   |   |             || ::: :|  | |:
Db        157 STSYISKQLFEISVPLTSVP------------ELVPVKVANHTGCKCL 192


RESULT 12
US-08-915-795-5
; Sequence 5, Application US/08915795
; Patent No. 6235713
;  GENERAL INFORMATION:
;    APPLICANT:  Marc G. ACHEN
;    APPLICANT:  Andrew F. WILKS
;    APPLICANT:  Steven A. STACKER
;    APPLICANT:  Kari ALITALO
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Evenson, McKeown, Edwards & Lenahan P.L.L.C.
;      STREET:  1200 G Street, NW, Suite 700
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  United States of America
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/915,795
;      FILING DATE:
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  EVANS, Joseph D.
;      REGISTRATION NUMBER:  26,269
;      REFERENCE/DOCKET NUMBER:  1064/42983
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 628-8800
;      TELEFAX:  (202) 628-8844
;      TELEX:  N/A
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  354 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      TISSUE TYPE:  Human Lung
US-08-915-795-5

  Query Match            14.8%;  Score 102;  DB 4;  Length 354;
  Best Local Similarity  28.7%;  Pred. No. 0.0007;
  Matches   31;  Conservative   16;  Mismatches   37;  Indels   24;  Gaps    5;

Qy         17 LNDDAKRYSCTPRNYSVNIREEL-KLANVVFFPRCLLVQRCGGNCGCGTVNWRSCTCNSG 75
              :::: :|  |:||   | :  || |  |  | | |: | |||| |     |  |  | :
Db        102 IDEEWQRTQCSPRETCVEVASELGKSTNTFFKPPCVNVFRCGGCC-----NEESLICMNT 156

Qy         76 KT---VKKYHEV---LQFEPGHIKRRGRAKTMALVDIQLDHHERCDCI 117
                |    |:  |:   |   |             || ::: :|  | |:
Db        157 STSYISKQLFEISVPLTSVP------------ELVPVKVANHTGCKCL 192


RESULT 13
US-08-915-795-9
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; Sequence 9, Application US/08915795
; Patent No. 6235713
;  GENERAL INFORMATION:
;    APPLICANT:  Marc G. ACHEN
;    APPLICANT:  Andrew F. WILKS
;    APPLICANT:  Steven A. STACKER
;    APPLICANT:  Kari ALITALO
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Evenson, McKeown, Edwards & Lenahan P.L.L.C.
;      STREET:  1200 G Street, NW, Suite 700
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  United States of America
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/915,795
;      FILING DATE:
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  EVANS, Joseph D.
;      REGISTRATION NUMBER:  26,269
;      REFERENCE/DOCKET NUMBER:  1064/42983
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 628-8800
;      TELEFAX:  (202) 628-8844
;      TELEX:  N/A
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  321 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    ORIGINAL SOURCE:
;      TISSUE TYPE:  Mouse Lung
US-08-915-795-9

  Query Match             14.7%;  Score 101.5;  DB 4;  Length 321;
  Best Local Similarity   26.4%;  Pred. No. 0.00071;
  Matches   32;  Conservative   21;  Mismatches   41;  Indels   27;  Gaps    6;

Qy          4 SYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREEL-KLANVVFFPRCLLVQRCGGNCGC 62
              :::| ::   |  :::: :|  |:||   | :  || |  |  | | |: | |||| |
Db         92 TFYDTET---LKVIDEEWQRTQCSPRETCVEVASELGKTTNTFFKPPCVNVFRCGGCC-- 146

Qy         63 GTVNWRSCTCNSGKT---VKKYHEV---LQFEPGHIKRRGRAKTMALVDIQLDHHERCDC 116
                 |    | :  |    |:  |:   |   |                || ::: :|  | |
Db        147 ---NEEGVMCMNTSTSYISKQLFEISVPLTSVP-----------ELVPVKIANHTGCKC 191

Qy        117 I 117
              :
Db        192 L 192


RESULT 14
US-08-915-795-8
; Sequence 8, Application US/08915795
; Patent No. 6235713
;  GENERAL INFORMATION:
;    APPLICANT:  Marc G. ACHEN
;    APPLICANT:  Andrew F. WILKS
;    APPLICANT:  Steven A. STACKER
;    APPLICANT:  Kari ALITALO
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Evenson, McKeown, Edwards & Lenahan P.L.L.C.
;      STREET:  1200 G Street, NW, Suite 700
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  United States of America
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/915,795
;      FILING DATE:
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  EVANS, Joseph D.
;      REGISTRATION NUMBER:  26,269
;      REFERENCE/DOCKET NUMBER:  1064/42983
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 628-8800
;      TELEFAX:  (202) 628-8844
;      TELEX:  N/A
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  358 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    ORIGINAL SOURCE:
;      TISSUE TYPE:  Mouse Lung
US-08-915-795-8

  Query Match             14.7%;  Score 101.5;  DB 4;  Length 358;
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Qy        117 I 117
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Db        197 L 197


RESULT 15
US-08-469-427A-2
; Sequence 2, Application US/08469427A
; Patent No. 5607918
;  GENERAL INFORMATION:
;    APPLICANT:  Eriksson, Ulf
;    APPLICANT:  Olofsson, Birgitta
;    APPLICANT:  Alitalo, Kari
;    APPLICANT:  Pajusola, Katri
;    TITLE OF INVENTION:  VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;    TITLE OF INVENTION:  DNA CODING THEREFOR
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Evenson, McKeown, Edwards & Lenahan
;      STREET:  1200 G Street, N.W., Suite 700
;      CITY:  Washington
;      STATE:  DC
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
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;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/469,427A
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/397,651
;      FILING DATE:  01-MAR-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Evans, Joseph D
;      REGISTRATION NUMBER:  26,269
;      REFERENCE/DOCKET NUMBER:  41979cp2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 628-8800
;      TELEFAX:  (202) 628-8844
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  102 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      TISSUE TYPE:  mouse embryo
US-08-469-427A-2

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  Best Local Similarity   27.9%;  Pred. No. 0.00086;
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GenCore version 5.1.6

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Run on: June 11, 2003, 08:02:15 ; Search time 20.2361 Seconds
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Perfect score: 691
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 392085 seqs, 103240269 residues

Total number of hits satisfying chosen parameters: 392085

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
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3	691	100.0	364	9	US-10-028-072-186	Sequence 186, App
4	691	100.0	364	9	US-10-121-049-186	Sequence 186, App
5	691	100.0	364	9	US-10-123-904-186	Sequence 186, App
6	691	100.0	364	9	US-10-140-470-186	Sequence 186, App
7	691	100.0	364	9	US-10-175-746-186	Sequence 186, App
8	691	100.0	364	9	US-10-176-918-186	Sequence 186, App
9	691	100.0	364	9	US-10-176-921-186	Sequence 186, App
10	691	100.0	364	9	US-10-137-865-186	Sequence 186, App
11	691	100.0	364	9	US-10-140-474-186	Sequence 186, App
12	691	100.0	364	9	US-10-142-431-186	Sequence 186, App
13	691	100.0	364	9	US-10-143-114-186	Sequence 186, App
14	691	100.0	364	9	US-10-140-002-186	Sequence 186, App
15	691	100.0	364	9	US-10-142-419-186	Sequence 186, App
16	691	100.0	364	9	US-10-123-262-186	Sequence 186, App
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22	691	100.0	364	9	US-10-123-236-186	Sequence 186, App
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24	691	100.0	364	9	US-10-140-921-186	Sequence 186, App
25	691	100.0	364	9	US-10-140-928-186	Sequence 186, App
26	691	100.0	364	9	US-10-121-045-186	Sequence 186, App
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36	691	100.0	364	9	US-10-123-215-186	Sequence 186, App
37	691	100.0	364	9	US-10-123-902-186	Sequence 186, App
38	691	100.0	364	9	US-10-123-908-186	Sequence 186, App
39	691	100.0	364	9	US-10-123-909-186	Sequence 186, App
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42	691	100.0	364	9	US-10-124-817-186	Sequence 186, App
43	691	100.0	364	9	US-10-124-824-186	Sequence 186, App
44	691	100.0	364	9	US-10-125-922-186	Sequence 186, App
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ALIGNMENTS

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RESULT 1
US-10-086-623-6
; Sequence 6, Application US/10086623
; Patent No. US20020164710A1
; GENERAL INFORMATION:
;  APPLICANT: ERIKSSON, Ulf
;  APPLICANT:  AASE, Karin
;  APPLICANT:  LI, Xuri
;  APPLICANT:  PONTEN, Annica
;  APPLICANT:  UUTELA, Marko
;  APPLICANT:  ALITALO, Kari
;  APPLICANT:  OESTMAN, Arne
;  APPLICANT:  HELDIN, Carl-Henrik
;  TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES
;  FILE REFERENCE: 1064/44833C2
;  CURRENT APPLICATION NUMBER: US/10/086,623
;  CURRENT FILING DATE:  2000-03-04
;  PRIOR APPLICATION NUMBER: US 60/107,852
;  PRIOR FILING DATE: 1998-11-10
;  PRIOR APPLICATION NUMBER: US 60/113,997
;  PRIOR FILING DATE: 1998-12-28
;  PRIOR APPLICATION NUMBER: US 60/150,604
;  PRIOR FILING DATE: 1999-08-26
;  PRIOR APPLICATION NUMBER: US 60/157,108
;  PRIOR FILING DATE: 1999-10-04
;  PRIOR APPLICATION NUMBER: US 60/157,756
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: US 09/438,046
;  PRIOR FILING DATE: 1999-11-10
;  PRIOR APPLICATION NUMBER: US 09/691,200
;  PRIOR FILING DATE: 2000-10-19
;  NUMBER OF SEQ ID NOS: 42
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 322
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-086-623-6

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  Best Local Similarity  100.0%;  Pred. No. 4e-65;
  Matches  124;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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RESULT 2
US-10-260-539-6
; Sequence 6, Application US/10260539
; Publication No. US20030073637A1
; GENERAL INFORMATION:
;  APPLICANT: ERIKSSON, Ulf
;  APPLICANT:  AASE, Karin
;  APPLICANT:  LI, Xuri
;  APPLICANT:  PONTEN, Annica
;  APPLICANT:  UUTELA, Marko
;  APPLICANT:  ALITALO, Kari
;  APPLICANT:  OESTMAN, Arne
;  APPLICANT:  HELDIN, Carl-Henrik
;  TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES TH
;  FILE REFERENCE: 1064/44833C2
;  CURRENT APPLICATION NUMBER: US/10/260,539
;  CURRENT FILING DATE:  2002-10-01
;  PRIOR APPLICATION NUMBER: US/10/086,623
;  PRIOR FILING DATE: 2000-03-04
;  PRIOR APPLICATION NUMBER: US 60/107,852
;  PRIOR FILING DATE: 1998-11-10
;  PRIOR APPLICATION NUMBER: US 60/113,997
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;  PRIOR FILING DATE: 1999-08-26
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;  PRIOR APPLICATION NUMBER: US 09/438,046
;  PRIOR FILING DATE: 1999-11-10
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;  PRIOR FILING DATE: 2000-10-19
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;   LENGTH: 322
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;   ORGANISM: Homo sapiens
US-10-260-539-6

  Query Match           100.0%;  Score 691;  DB 9;  Length 322;
  Best Local Similarity  100.0%;  Pred. No. 4e-65;
  Matches  124;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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RESULT 3
US-10-028-072-186
; Sequence 186, Application US/10028072
; Publication No. US20030004311A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang
;  TITLE OF INVENTION:
;  FILE REFERENCE:
;  CURRENT APPLICATION NUMBER: US/10/028,072
;  CURRENT FILING DATE:  2001-12-19
;  PRIOR APPLICATION NUMBER: 60/049911
;  PRIOR FILING DATE: 1997-06-18
;  PRIOR APPLICATION NUMBER: 60/056974
;  PRIOR FILING DATE: 1997-08-26
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; PRIOR APPLICATION NUMBER: 60/089599
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; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
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; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090538
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07

Query Match 100.0%; Score 691; DB 9; Length 364;
Best Local Similarity 100.0%; Pred. No. 4.6e-65;
Matches 124; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 300

Qy         61 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 360

Qy        121 RPPR 124
              ||||
Db        361 RPPR 364
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RESULT 4
US-10-121-049-186
; Sequence 186, Application US/10121049
; Publication No. US20030022239A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C17
;  CURRENT APPLICATION NUMBER: US/10/121,049
;  CURRENT FILING DATE:  2002-04-12
;       Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-121-049-186

  Query Match            100.0%;  Score 691;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 4.6e-65;
  Matches  124;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 300

Qy         61 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 360

Qy        121 RPPR 124
              ||||
Db        361 RPPR 364


RESULT 5
US-10-123-904-186
; Sequence 186, Application US/10123904
; Publication No. US20030022328A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C54
;  CURRENT APPLICATION NUMBER: US/10/123,904
;  CURRENT FILING DATE:  2002-04-16
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-123-904-186

  Query Match            100.0%;  Score 691;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 4.6e-65;
  Matches  124;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 300

Qy         61 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 360

Qy        121 RPPR 124
              ||||
Db        361 RPPR 364


RESULT 6
US-10-140-470-186
; Sequence 186, Application US/10140470
; Publication No. US20030022331A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C160
;  CURRENT APPLICATION NUMBER: US/10/140,470
;  CURRENT FILING DATE:  2002-05-06
;  Prior Application removed - See Palm or File Wrapper
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-140-470-186

  Query Match            100.0%;  Score 691;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 4.6e-65;
  Matches  124;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 300
```

```
Qy          61 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 120
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         301 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 360

Qy         121 RPPR 124
               ||||
Db         361 RPPR 364


RESULT 7
US-10-175-746-186
; Sequence 186, Application US/10175746
; Publication No. US20030027270A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C353
;  CURRENT APPLICATION NUMBER: US/10/175,746
;  CURRENT FILING DATE:  2002-06-19
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-175-746-186

  Query Match             100.0%;  Score 691;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 4.6e-65;
  Matches  124;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy           1 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 60
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         241 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 300

Qy          61 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 120
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         301 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 360

Qy         121 RPPR 124
               ||||
Db         361 RPPR 364


RESULT 8
US-10-176-918-186
; Sequence 186, Application US/10176918
; Publication No. US20030027275A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C382
;  CURRENT APPLICATION NUMBER: US/10/176,918
;  CURRENT FILING DATE:  2002-06-20
;     Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-176-918-186

  Query Match             100.0%;  Score 691;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 4.6e-65;
  Matches  124;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy           1 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 60
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         241 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 300

Qy          61 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 120
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         301 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 360

Qy         121 RPPR 124
               ||||
Db         361 RPPR 364


RESULT 9
US-10-176-921-186
; Sequence 186, Application US/10176921
; Publication No. US20030027276A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C288
;  CURRENT APPLICATION NUMBER: US/10/176,921
;  CURRENT FILING DATE:  2002-06-20
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
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;   ORGANISM: Homo Sapien
US-10-176-921-186

  Query Match             100.0%;  Score 691;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 4.6e-65;
  Matches  124;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 300

Qy         61 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 360

Qy        121 RPPR 124
              ||||
Db        361 RPPR 364


RESULT 10
US-10-137-865-186
; Sequence 186, Application US/10137865
; Publication No. US20030032155A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C154
;  CURRENT APPLICATION NUMBER: US/10/137,865
;  CURRENT FILING DATE:  2002-05-03
;  Prior Application removed - See Palm or File Wrapper
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-137-865-186

  Query Match             100.0%;  Score 691;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 4.6e-65;
  Matches  124;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 300

Qy         61 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 360

Qy        121 RPPR 124
              ||||
Db        361 RPPR 364


RESULT 11
US-10-140-474-186
; Sequence 186, Application US/10140474
; Publication No. US20030032156A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C162
;  CURRENT APPLICATION NUMBER: US/10/140,474
;  CURRENT FILING DATE:  2002-05-06
;  Prior Application removed - See Palm or File Wrapper
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-140-474-186

  Query Match             100.0%;  Score 691;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 4.6e-65;
  Matches  124;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 300

Qy         61 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 360

Qy        121 RPPR 124
              ||||
Db        361 RPPR 364


RESULT 12
US-10-142-431-186
; Sequence 186, Application US/10142431
; Publication No. US20030036179A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
```

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;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C251
;  CURRENT APPLICATION NUMBER: US/10/142,431
;  CURRENT FILING DATE:  2002-05-10
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-142-431-186

  Query Match             100.0%;  Score 691;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 4.6e-65;
  Matches  124;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 300

Qy         61 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 360

Qy        121 RPPR 124
              ||||
Db        361 RPPR 364


RESULT 13
US-10-143-114-186
; Sequence 186, Application US/10143114
; Publication No. US20030036180A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C211
;  CURRENT APPLICATION NUMBER: US/10/143,114
;  CURRENT FILING DATE:  2002-05-09
;  Prior Application removed - See Palm or File Wrapper
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-143-114-186

  Query Match             100.0%;  Score 691;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 4.6e-65;
  Matches  124;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 300

Qy         61 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 360

Qy        121 RPPR 124
              ||||
Db        361 RPPR 364


RESULT 14
US-10-140-002-186
; Sequence 186, Application US/10140002
; Publication No. US20030037623A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C59
;  CURRENT APPLICATION NUMBER: US/10/140,002
;  CURRENT FILING DATE:  2002-05-06
;  Prior Application removed - See Palm or File Wrapper
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-140-002-186

  Query Match             100.0%;  Score 691;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 4.6e-65;
  Matches  124;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 300

Qy         61 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 360

Qy        121 RPPR 124
              ||||
Db        361 RPPR 364


RESULT 15
US-10-142-419-186
; Sequence 186, Application US/10142419
; Publication No. US20030044945A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
```

```
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C244
;  CURRENT APPLICATION NUMBER: US/10/142,419
;  CURRENT FILING DATE:  2002-05-10
;  Prior Apploication removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-142-419-186

  Query Match           100.0%;  Score 691;  DB 9;  Length 364;
  Best Local Similarity  100.0%;  Pred. No. 4.6e-65;
  Matches  124;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 RGRSYHDRKSKVDLDRLNDDAKRYSCTPRNYSVNIREELKLANVVFFPRCLLVQRCGGNC 300

Qy         61 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 GCGTVNWRSCTCNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHHERCDCICSS 360

Qy        121 RPPR 124
              ||||
Db        361 RPPR 364


Search completed: June 11, 2003, 08:16:58
Job time : 21.2361 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: June 11, 2003, 08:00:14 ; Search time 3.66667 Seconds
(without alignments)
256.782 Million cell updates/sec

Title: US-09-662-783-2_COPY_339_370
Perfect score: 177
Sequence: 1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	177	100.0	370	4	US-09-457-066-37	Sequence 37, Appl
2	177	100.0	370	4	US-09-540-224-2	Sequence 2, Appli
3	169	95.5	370	4	US-09-540-224-4	Sequence 4, Appli
4	82	46.3	24	4	US-09-540-224-9	Sequence 9, Appli
5	77	43.5	345	4	US-09-040-220D-2	Sequence 2, Appli
6	77	43.5	345	4	US-09-457-066-2	Sequence 2, Appli
7	77	43.5	345	4	US-09-265-686-2	Sequence 2, Appli
8	77	43.5	345	4	US-09-540-224-5	Sequence 5, Appli
9	76	42.9	345	4	US-09-457-066-43	Sequence 43, Appl
10	52	29.4	439	4	US-09-026-001A-8	Sequence 8, Appli
11	52	29.4	521	4	US-09-026-001A-12	Sequence 12, Appl
12	52	29.4	592	4	US-09-026-001A-14	Sequence 14, Appl
13	49	27.7	462	4	US-09-026-001A-16	Sequence 16, Appl
14	48	27.1	368	4	US-08-630-915A-20	Sequence 20, Appl
15	47.5	26.8	290	1	US-08-411-706-2	Sequence 2, Appli
16	47.5	26.8	295	1	US-08-411-706-4	Sequence 4, Appli
17	45	25.4	2639	4	US-09-080-983-3	Sequence 3, Appli
18	44.5	25.1	451	3	US-08-996-139-4	Sequence 4, Appli
19	44.5	25.1	451	4	US-08-995-659-4	Sequence 4, Appli
20	44.5	25.1	451	4	US-09-215-649A-4	Sequence 4, Appli
21	44.5	25.1	451	4	US-09-577-780-4	Sequence 4, Appli
22	44.5	25.1	591	3	US-08-996-139-2	Sequence 2, Appli
23	44.5	25.1	591	4	US-08-995-659-2	Sequence 2, Appli
24	44.5	25.1	591	4	US-09-215-649A-2	Sequence 2, Appli
25	44.5	25.1	591	4	US-09-577-780-2	Sequence 2, Appli
26	44.5	25.1	616	3	US-08-996-139-6	Sequence 6, Appli
27	44.5	25.1	616	4	US-08-995-659-6	Sequence 6, Appli
28	44.5	25.1	616	4	US-09-215-649A-6	Sequence 6, Appli
29	44.5	25.1	616	4	US-09-577-780-6	Sequence 6, Appli
30	44	24.9	325	4	US-08-915-795-3	Sequence 3, Appli
31	44	24.9	354	4	US-08-915-795-5	Sequence 5, Appli
32	44	24.9	915	2	US-08-818-070-2	Sequence 2, Appli
33	44	24.9	915	2	US-08-723-585-2	Sequence 2, Appli
34	43.5	24.6	387	1	US-08-123-161A-10	Sequence 10, Appl
35	43.5	24.6	387	1	US-08-123-161A-12	Sequence 12, Appl
36	43.5	24.6	387	1	US-08-483-278-10	Sequence 10, Appl
37	43.5	24.6	387	1	US-08-483-278-12	Sequence 12, Appl
38	43.5	24.6	560	3	US-08-592-500-2	Sequence 2, Appli
39	43.5	24.6	560	3	US-08-195-006-2	Sequence 2, Appli
40	43.5	24.6	560	4	US-09-063-950-4	Sequence 4, Appli
41	43.5	24.6	560	5	PCT-US94-07644A-2	Sequence 2, Appli
42	43	24.3	132	4	US-09-125-642C-15	Sequence 15, Appl
43	42.5	24.0	210	2	US-09-258-257-2	Sequence 2, Appli
44	42.5	24.0	210	2	US-09-258-371-2	Sequence 2, Appli
45	42.5	24.0	210	3	US-08-569-721A-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-457-066-37
; Sequence 37, Application US/09457066
; Patent No. 6432673
; GENERAL INFORMATION:
; APPLICANT: Gao, Zeren
; APPLICANT: Hart, Charles E.
; APPLICANT: Piddington, Christopher S.
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Shoemaker, Kimberly E.
; APPLICANT: Gilbertson, Debra G.
; APPLICANT: West, James W.
; TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
; FILE REFERENCE: 98-60
; CURRENT APPLICATION NUMBER: US/09/457,066
; CURRENT FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 37
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-457-066-37

Query Match 100.0%; Score 177; DB 4; Length 370;
Best Local Similarity 100.0%; Pred. No. 6.4e-19;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32
              ||||||||||||||||||||||||||||||||
Db        339 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 370
```

RESULT 2
US-09-540-224-2
; Sequence 2, Application US/09540224
; Patent No. 6468543
; GENERAL INFORMATION:
; APPLICANT: Gilbertson, Debra G.
; APPLICANT: Hart, Charles E.
; TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
; TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4
; FILE REFERENCE: 00-28
; CURRENT APPLICATION NUMBER: US/09/540,224
; CURRENT FILING DATE: 2000-03-31
; EARLIER APPLICATION NUMBER: US 60/180,169
; EARLIER FILING DATE: 2000-02-04
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2

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;   LENGTH: 370
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-540-224-2

  Query Match            100.0%;  Score 177;  DB 4;  Length 370;
  Best Local Similarity  100.0%;  Pred. No. 6.4e-19;
  Matches   32;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32
              ||||||||||||||||||||||||||||||||
Db        339 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 370


RESULT 3
US-09-540-224-4
; Sequence 4, Application US/09540224
; Patent No. 6468543
; GENERAL INFORMATION:
;  APPLICANT: Gilbertson, Debra G.
;  APPLICANT: Hart, Charles E.
;  TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
;  TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4
;  FILE REFERENCE: 00-28
;  CURRENT APPLICATION NUMBER: US/09/540,224
;  CURRENT FILING DATE: 2000-03-31
;  EARLIER APPLICATION NUMBER: US 60/180,169
;  EARLIER FILING DATE: 2000-02-04
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
;   LENGTH: 370
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-09-540-224-4

  Query Match            95.5%;  Score 169;  DB 4;  Length 370;
  Best Local Similarity  93.8%;  Pred. No. 1e-17;
  Matches   30;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32
              ||||:|| ||||||||||||||||||||||||
Db        339 KRRGKAKNMALVDIQLDHHERCDCICSSRPPR 370


RESULT 4
US-09-540-224-9
; Sequence 9, Application US/09540224
; Patent No. 6468543
; GENERAL INFORMATION:
;  APPLICANT: Gilbertson, Debra G.
;  APPLICANT: Hart, Charles E.
;  TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
;  TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4
;  FILE REFERENCE: 00-28
;  CURRENT APPLICATION NUMBER: US/09/540,224
;  CURRENT FILING DATE: 2000-03-31
;  EARLIER APPLICATION NUMBER: US 60/180,169
;  EARLIER FILING DATE: 2000-02-04
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 9
;   LENGTH: 24
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: peptide
US-09-540-224-9

  Query Match            46.3%;  Score 82;  DB 4;  Length 24;
  Best Local Similarity  100.0%;  Pred. No. 6.4e-06;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 KRRGRAKTMALVDIQLD 17
              |||||||||||||||||
Db          8 KRRGRAKTMALVDIQLD 24


RESULT 5
US-09-040-220D-2
; Sequence 2, Application US/09040220D
; Patent No. 6391311
; GENERAL INFORMATION:
;  APPLICANT: Ferrara, Napoleone
;  APPLICANT:  Kuo, Sophia S.
;  TITLE OF INVENTION: NOVEL POLYPEPTIDES HAVING HOMOLOGY TO VASCULAR
;  TITLE OF INVENTION:  ENDOTHELIAL CELL GROWTH FACTOR AND BONE MORPHOGENETIC
;  TITLE OF INVENTION:  PROTEIN 1 AND NUCLEIC ACIDS ENCODING SAME, THEIR USES,
;  TITLE OF INVENTION:  AND PROCESSES FOR THEIR PRODUCTION
;  FILE REFERENCE: P1122
;  CURRENT APPLICATION NUMBER: US/09/040,220D
;  CURRENT FILING DATE:  1998-03-17
;  NUMBER OF SEQ ID NOS: 8
; SEQ ID NO 2
;   LENGTH: 345
;   TYPE: PRT
;   ORGANISM: Human
US-09-040-220D-2

  Query Match            43.5%;  Score 77;  DB 4;  Length 345;
  Best Local Similarity  54.2%;  Pred. No. 0.00064;
  Matches   13;  Conservative    4;  Mismatches    5;  Indels    2;  Gaps    1;

Qy          3 RGRAKTMALVDIQLDHHERCDCIC 26
              ||  |  :| |: |:||| |||:|
Db        318 RGLHK--SLTDVALEHHEECDCVC 339


RESULT 6
US-09-457-066-2
; Sequence 2, Application US/09457066
; Patent No. 6432673
; GENERAL INFORMATION:
;  APPLICANT: Gao, Zeren
;  APPLICANT: Hart, Charles E.
;  APPLICANT: Piddington, Christopher S.
;  APPLICANT: Sheppard, Paul O.
;  APPLICANT: Shoemaker, Kimberly E.
;  APPLICANT: Gilbertson, Debra G.
;  APPLICANT: West, James W.
;  TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
;  FILE REFERENCE: 98-60
;  CURRENT APPLICATION NUMBER: US/09/457,066
;  CURRENT FILING DATE: 1999-12-07
;  NUMBER OF SEQ ID NOS: 50
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
;   LENGTH: 345
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-457-066-2

  Query Match            43.5%;  Score 77;  DB 4;  Length 345;
  Best Local Similarity  54.2%;  Pred. No. 0.00064;
  Matches   13;  Conservative    4;  Mismatches    5;  Indels    2;  Gaps    1;

Qy          3 RGRAKTMALVDIQLDHHERCDCIC 26
              ||  |  :| |: |:||| |||:|
Db        318 RGLHK--SLTDVALEHHEECDCVC 339


RESULT 7
US-09-265-686-2
; Sequence 2, Application US/09265686
; Patent No. 6455283
; GENERAL INFORMATION:
```

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;  APPLICANT:  Ferrara, Napoleone
;  APPLICANT:  Kuo, Sophia S.
;  TITLE OF INVENTION:  POLYPEPTIDES HOMOLOGOUS TO VEGF AND BMPI
;  FILE REFERENCE:  P1122P2
;  CURRENT APPLICATION NUMBER: US/09/265,686
;  CURRENT FILING DATE:  1999-03-10
;  PRIOR APPLICATION NUMBER:  US 09/040,220
;  PRIOR FILING DATE:  1998-03-17
;  PRIOR APPLICATION NUMBER:  US 09/184,216
;  PRIOR FILING DATE:  1998-11-02
;  NUMBER OF SEQ ID NOS:  8
; SEQ ID NO 2
;   LENGTH: 345
;   TYPE: PRT
;   ORGANISM: Human
US-09-265-686-2

  Query Match             43.5%;  Score 77;  DB 4;  Length 345;
  Best Local Similarity   54.2%;  Pred. No. 0.00064;
  Matches   13;  Conservative    4;  Mismatches    5;  Indels    2;  Gaps    1;

Qy          3 RGRAKTMALVDIQLDHHERCDCIC 26
              ||  |  :| |: |:||| |||:|
Db        318 RGLHK--SLTDVALEHHEECDCVC 339


RESULT 8
US-09-540-224-5
; Sequence 5, Application US/09540224
; Patent No. 6468543
; GENERAL INFORMATION:
;  APPLICANT: Gilbertson, Debra G.
;  APPLICANT: Hart, Charles E.
;  TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
;  TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4
;  FILE REFERENCE: 00-28
;  CURRENT APPLICATION NUMBER: US/09/540,224
;  CURRENT FILING DATE: 2000-03-31
;  EARLIER APPLICATION NUMBER: US 60/180,169
;  EARLIER FILING DATE: 2000-02-04
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
;   LENGTH: 345
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-540-224-5

  Query Match             43.5%;  Score 77;  DB 4;  Length 345;
  Best Local Similarity   54.2%;  Pred. No. 0.00064;
  Matches   13;  Conservative    4;  Mismatches    5;  Indels    2;  Gaps    1;

Qy          3 RGRAKTMALVDIQLDHHERCDCIC 26
              ||  |  :| |: |:||| |||:|
Db        318 RGLHK--SLTDVALEHHEECDCVC 339


RESULT 9
US-09-457-066-43
; Sequence 43, Application US/09457066
; Patent No. 6432673
; GENERAL INFORMATION:
;  APPLICANT: Gao, Zeren
;  APPLICANT: Hart, Charles E.
;  APPLICANT: Piddington, Christopher S.
;  APPLICANT: Sheppard, Paul O.
;  APPLICANT: Shoemaker, Kimberly E.
;  APPLICANT: Gilbertson, Debra G.
;  APPLICANT: West, James W.
;  TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
;  FILE REFERENCE: 98-60
;  CURRENT APPLICATION NUMBER: US/09/457,066
;  CURRENT FILING DATE: 1999-12-07
;  NUMBER OF SEQ ID NOS: 50
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 43
;   LENGTH: 345
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-09-457-066-43

  Query Match             42.9%;  Score 76;  DB 4;  Length 345;
  Best Local Similarity   58.8%;  Pred. No. 0.00091;
  Matches   10;  Conservative    4;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         10 ALVDIQLDHHERCDCIC 26
              :| |: |:||| |||:|
Db        323 SLTDVALEHHEECDCVC 339


RESULT 10
US-09-026-001A-8
; Sequence 8, Application US/09026001A
; Patent No. 6413760
;  GENERAL INFORMATION:
;    APPLICANT:  Boodhoo, Amechand
;    APPLICANT:  Seehra, Jasbir
;    APPLICANT:  Shaw, Gray
;    APPLICANT:  Sako, Dianne
;    TITLE OF INVENTION:  HIGHLY PURIFIED MOCARHAGIN, A COBRA VENOM
;    TITLE OF INVENTION:  THERAPEUTIC USES THEREOF
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc.
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/026,001A
;      FILING DATE:  18-FEB-1998
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;      REFERENCE/DOCKET NUMBER:  GI5293B
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8224
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  439 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-026-001A-8

  Query Match             29.4%;  Score 52;  DB 4;  Length 439;
  Best Local Similarity   61.5%;  Pred. No. 4.8;
  Matches    8;  Conservative    1;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         18 HHERCDCICSSRP 30
              ||:   |||| ||
Db        349 HHDGASCICSLRP 361


RESULT 11
US-09-026-001A-12
; Sequence 12, Application US/09026001A
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; Patent No. 6413760
;  GENERAL INFORMATION:
;    APPLICANT:  Boodhoo, Amechand
;    APPLICANT:  Seehra, Jasbir
;    APPLICANT:  Shaw, Gray
;    APPLICANT:  Sako, Dianne
;    TITLE OF INVENTION:  HIGHLY PURIFIED MOCARHAGIN, A COBRA VENOM
;    TITLE OF INVENTION:  THERAPEUTIC USES THEREOF
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc.
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/026,001A
;      FILING DATE:  18-FEB-1998
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;      REFERENCE/DOCKET NUMBER:  GI5293B
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8224
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  521 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-026-001A-12

  Query Match             29.4%;  Score 52;  DB 4;  Length 521;
  Best Local Similarity   61.5%;  Pred. No. 5.8;
  Matches    8;  Conservative    1;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         18 HHERCDCICSSRP 30
              ||:   |||| ||
Db        348 HHDGASCICSLRP 360


RESULT 12
US-09-026-001A-14
; Sequence 14, Application US/09026001A
; Patent No. 6413760
;  GENERAL INFORMATION:
;    APPLICANT:  Boodhoo, Amechand
;    APPLICANT:  Seehra, Jasbir
;    APPLICANT:  Shaw, Gray
;    APPLICANT:  Sako, Dianne
;    TITLE OF INVENTION:  HIGHLY PURIFIED MOCARHAGIN, A COBRA VENOM
;    TITLE OF INVENTION:  THERAPEUTIC USES THEREOF
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc.
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/026,001A
;      FILING DATE:  18-FEB-1998
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;      REFERENCE/DOCKET NUMBER:  GI5293B
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8224
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  592 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-026-001A-14

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  Best Local Similarity   61.5%;  Pred. No. 6.6;
  Matches    8;  Conservative    1;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         18 HHERCDCICSSRP 30
              ||:   |||| ||
Db        349 HHDGASCICSLRP 361


RESULT 13
US-09-026-001A-16
; Sequence 16, Application US/09026001A
; Patent No. 6413760
;  GENERAL INFORMATION:
;    APPLICANT:  Boodhoo, Amechand
;    APPLICANT:  Seehra, Jasbir
;    APPLICANT:  Shaw, Gray
;    APPLICANT:  Sako, Dianne
;    TITLE OF INVENTION:  HIGHLY PURIFIED MOCARHAGIN, A COBRA VENOM
;    TITLE OF INVENTION:  THERAPEUTIC USES THEREOF
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc.
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/026,001A
;      FILING DATE:  18-FEB-1998
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;      REFERENCE/DOCKET NUMBER:  GI5293B
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8224
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  462 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-026-001A-16
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  Query Match             27.7%;  Score 49;  DB 4;  Length 462;
  Best Local Similarity   53.8%;  Pred. No. 14;
  Matches    7;  Conservative    2;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         18 HHERCDCICSSRP 30
              ||:   |||| :|
Db        219 HHDGASCICSLKP 231


RESULT 14
US-08-630-915A-20
; Sequence 20, Application US/08630915A
; Patent No. 6309820
;  GENERAL INFORMATION:
;    APPLICANT:  SPARKS, Andrew B.
;    APPLICANT:  HOFFMAN, No. 6309820h
;    APPLICANT:  KAY, Brian K.
;    APPLICANT:  FOWLKES, Dana M.
;    APPLICANT:  McCONNELL, Stephen J.
;    TITLE OF INVENTION:  POLYPEPTIDES HAVING A FUNCTIONAL
;    TITLE OF INVENTION:  DOMAIN OF INTEREST AND METHODS OF IDENTIFYING AND
;    TITLE OF INVENTION:  USING SAME
;    NUMBER OF SEQUENCES:  227
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds LLP
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/630,915A
;      FILING DATE:  03-APR-1996
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  1101-174
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  368 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  peptide
US-08-630-915A-20

  Query Match             27.1%;  Score 48;  DB 4;  Length 368;
  Best Local Similarity   37.8%;  Pred. No. 16;
  Matches   14;  Conservative    2;  Mismatches    7;  Indels   14;  Gaps    1;

Qy         10 ALVDIQLDHHERCDCI----------CSSRPPR 32
              |||| |||:| :   |               |||| |
Db        217 ALVDAQLDYHRQAVQILEELADKLKRRVREASSRPKR 253


RESULT 15
US-08-411-706-2
; Sequence 2, Application US/08411706
; Patent No. 5789193
;  GENERAL INFORMATION:
;    APPLICANT:
;    APPLICANT:
;    APPLICANT:
;    TITLE OF INVENTION:  Increased production of secreted
;    TITLE OF INVENTION:  proteins by                        recombinant eukaryotic cel
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;      ADDRESSEE:  Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/411,706
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FI 92 4494
;      FILING DATE:  06-OCT-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Meyers, Thomas C.
;      REGISTRATION NUMBER:  36,989
;      REFERENCE/DOCKET NUMBER:  32530
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  290 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-411-706-2

  Query Match             26.8%;  Score 47.5;  DB 1;  Length 290;
  Best Local Similarity   57.9%;  Pred. No. 15;
  Matches   11;  Conservative    2;  Mismatches    5;  Indels    1;  Gaps    1;

Qy          2 RRGRAKTMALVDIQLDHHE 20
              ||| ||| || ::|  | |
Db        182 RRGEAKT-ALAEVQARHQE 199


Search completed: June 11, 2003, 08:03:30
Job time : 5.66667 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: June 11, 2003, 08:02:15 ; Search time 5.22222 Seconds
(without alignments)
632.621 Million cell updates/sec

Title: US-09-662-783-2_COPY_339_370
Perfect score: 177
Sequence: 1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 392085 seqs, 103240269 residues

Total number of hits satisfying chosen parameters: 392085

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA:*
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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
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6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
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13: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	177	100.0	66	9	US-10-086-623-2	Sequence 2, Appli
2	177	100.0	66	9	US-10-260-539-2	Sequence 2, Appli
3	177	100.0	200	9	US-10-086-623-4	Sequence 4, Appli
4	177	100.0	200	9	US-10-260-539-4	Sequence 4, Appli
5	177	100.0	317	9	US-10-083-853-2	Sequence 2, Appli
6	177	100.0	322	9	US-10-086-623-6	Sequence 6, Appli
7	177	100.0	322	9	US-10-260-539-6	Sequence 6, Appli
8	177	100.0	364	9	US-10-028-072-186	Sequence 186, App
9	177	100.0	364	9	US-10-121-049-186	Sequence 186, App
10	177	100.0	364	9	US-10-123-904-186	Sequence 186, App
11	177	100.0	364	9	US-10-140-470-186	Sequence 186, App
12	177	100.0	364	9	US-10-175-746-186	Sequence 186, App
13	177	100.0	364	9	US-10-176-918-186	Sequence 186, App
14	177	100.0	364	9	US-10-176-921-186	Sequence 186, App
15	177	100.0	364	9	US-10-137-865-186	Sequence 186, App
16	177	100.0	364	9	US-10-140-474-186	Sequence 186, App
17	177	100.0	364	9	US-10-142-431-186	Sequence 186, App
18	177	100.0	364	9	US-10-143-114-186	Sequence 186, App
19	177	100.0	364	9	US-10-140-002-186	Sequence 186, App
20	177	100.0	364	9	US-10-142-419-186	Sequence 186, App
21	177	100.0	364	9	US-10-123-262-186	Sequence 186, App
22	177	100.0	364	9	US-10-142-423-186	Sequence 186, App
23	177	100.0	364	9	US-10-121-050-186	Sequence 186, App
24	177	100.0	364	9	US-10-141-755-186	Sequence 186, App
25	177	100.0	364	9	US-10-143-032-186	Sequence 186, App
26	177	100.0	364	9	US-10-123-108-186	Sequence 186, App
27	177	100.0	364	9	US-10-123-236-186	Sequence 186, App
28	177	100.0	364	9	US-10-123-261-186	Sequence 186, App
29	177	100.0	364	9	US-10-140-921-186	Sequence 186, App
30	177	100.0	364	9	US-10-140-928-186	Sequence 186, App
31	177	100.0	364	9	US-10-121-045-186	Sequence 186, App
32	177	100.0	364	9	US-10-123-292-186	Sequence 186, App
33	177	100.0	364	9	US-10-123-903-186	Sequence 186, App
34	177	100.0	364	9	US-10-124-819-186	Sequence 186, App
35	177	100.0	364	9	US-10-124-822-186	Sequence 186, App
36	177	100.0	364	9	US-10-140-925-186	Sequence 186, App
37	177	100.0	364	9	US-10-160-498-186	Sequence 186, App
38	177	100.0	364	9	US-10-121-041-186	Sequence 186, App
39	177	100.0	364	9	US-10-121-043-186	Sequence 186, App
40	177	100.0	364	9	US-10-121-047-186	Sequence 186, App
41	177	100.0	364	9	US-10-123-215-186	Sequence 186, App
42	177	100.0	364	9	US-10-123-902-186	Sequence 186, App
43	177	100.0	364	9	US-10-123-908-186	Sequence 186, App
44	177	100.0	364	9	US-10-123-909-186	Sequence 186, App
45	177	100.0	364	9	US-10-123-910-186	Sequence 186, App

ALIGNMENTS

RESULT 1
US-10-086-623-2
; Sequence 2, Application US/10086623
; Patent No. US20020164710A1
; GENERAL INFORMATION:
; APPLICANT: ERIKSSON, Ulf
; APPLICANT: AASE, Karin
; APPLICANT: LI, Xuri
; APPLICANT: PONTEN, Annica
; APPLICANT: UUTELA, Marko
; APPLICANT: ALITALO, Kari
; APPLICANT: OESTMAN, Arne
; APPLICANT: HELDIN, Carl-Henrik
; TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES
; FILE REFERENCE: 1064/44833C2
; CURRENT APPLICATION NUMBER: US/10/086,623
; CURRENT FILING DATE: 2000-03-04
; PRIOR APPLICATION NUMBER: US 60/107,852
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 60/113,997
; PRIOR FILING DATE: 1998-12-28
; PRIOR APPLICATION NUMBER: US 60/150,604
; PRIOR FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: US 60/157,108
; PRIOR FILING DATE: 1999-10-04
; PRIOR APPLICATION NUMBER: US 60/157,756
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: US 09/438,046
; PRIOR FILING DATE: 1999-11-10
; PRIOR APPLICATION NUMBER: US 09/691,200
; PRIOR FILING DATE: 2000-10-19
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 66
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-086-623-2

Query Match 100.0%; Score 177; DB 9; Length 66;
Best Local Similarity 100.0%; Pred. No. 1.3e-17;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32
              ||||||||||||||||||||||||||||||||
Db         35 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 66


RESULT 2
US-10-260-539-2
; Sequence 2, Application US/10260539
; Publication No. US20030073637A1
; GENERAL INFORMATION:
;  APPLICANT: ERIKSSON, Ulf
;  APPLICANT:  AASE, Karin
;  APPLICANT:  LI, Xuri
;  APPLICANT:  PONTEN, Annica
;  APPLICANT:  UUTELA, Marko
;  APPLICANT:  ALITALO, Kari
;  APPLICANT:  OESTMAN, Arne
;  APPLICANT:  HELDIN, Carl-Henrik
;  TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES TH
;  FILE REFERENCE: 1064/44833C2
;  CURRENT APPLICATION NUMBER: US/10/260,539
;  CURRENT FILING DATE:  2002-10-01
;  PRIOR APPLICATION NUMBER: US/10/086,623
;  PRIOR FILING DATE: 2000-03-04
;  PRIOR APPLICATION NUMBER: US 60/107,852
;  PRIOR FILING DATE: 1998-11-10
;  PRIOR APPLICATION NUMBER: US 60/113,997
;  PRIOR FILING DATE: 1998-12-28
;  PRIOR APPLICATION NUMBER: US 60/150,604
;  PRIOR FILING DATE: 1999-08-26
;  PRIOR APPLICATION NUMBER: US 60/157,108
;  PRIOR FILING DATE: 1999-10-04
;  PRIOR APPLICATION NUMBER: US 60/157,756
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: US 09/438,046
;  PRIOR FILING DATE: 1999-11-10
;  PRIOR APPLICATION NUMBER: US 09/691,200
;  PRIOR FILING DATE: 2000-10-19
;  NUMBER OF SEQ ID NOS: 42
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;   LENGTH: 66
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-260-539-2

  Query Match            100.0%;  Score 177;  DB 9;  Length 66;
  Best Local Similarity   100.0%;  Pred. No. 1.3e-17;
  Matches   32;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32
              ||||||||||||||||||||||||||||||||
Db         35 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 66


RESULT 3
US-10-086-623-4
; Sequence 4, Application US/10086623
; Patent No. US20020164710A1
; GENERAL INFORMATION:
;  APPLICANT: ERIKSSON, Ulf
;  APPLICANT:  AASE, Karin
;  APPLICANT:  LI, Xuri
;  APPLICANT:  PONTEN, Annica
;  APPLICANT:  UUTELA, Marko
;  APPLICANT:  ALITALO, Kari
;  APPLICANT:  OESTMAN, Arne
;  APPLICANT:  HELDIN, Carl-Henrik
;  TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES TH
;  FILE REFERENCE: 1064/44833C2
;  CURRENT APPLICATION NUMBER: US/10/086,623
;  CURRENT FILING DATE:  2000-03-04
;  PRIOR APPLICATION NUMBER: US 60/107,852
;  PRIOR FILING DATE: 1998-11-10
;  PRIOR APPLICATION NUMBER: US 60/113,997
;  PRIOR FILING DATE: 1998-12-28
;  PRIOR APPLICATION NUMBER: US 60/150,604
;  PRIOR FILING DATE: 1999-08-26
;  PRIOR APPLICATION NUMBER: US 60/157,108
;  PRIOR FILING DATE: 1999-10-04
;  PRIOR APPLICATION NUMBER: US 60/157,756
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: US 09/438,046
;  PRIOR FILING DATE: 1999-11-10
;  PRIOR APPLICATION NUMBER: US 09/691,200
;  PRIOR FILING DATE: 2000-10-19
;  NUMBER OF SEQ ID NOS: 42
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 200
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-086-623-4

  Query Match            100.0%;  Score 177;  DB 9;  Length 200;
  Best Local Similarity   100.0%;  Pred. No. 4e-17;
  Matches   32;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32
              ||||||||||||||||||||||||||||||||
Db        169 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 200


RESULT 4
US-10-260-539-4
; Sequence 4, Application US/10260539
; Publication No. US20030073637A1
; GENERAL INFORMATION:
;  APPLICANT: ERIKSSON, Ulf
;  APPLICANT:  AASE, Karin
;  APPLICANT:  LI, Xuri
;  APPLICANT:  PONTEN, Annica
;  APPLICANT:  UUTELA, Marko
;  APPLICANT:  ALITALO, Kari
;  APPLICANT:  OESTMAN, Arne
;  APPLICANT:  HELDIN, Carl-Henrik
;  TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES
;  FILE REFERENCE: 1064/44833C2
;  CURRENT APPLICATION NUMBER: US/10/260,539
;  CURRENT FILING DATE:  2002-10-01
;  PRIOR APPLICATION NUMBER: US/10/086,623
;  PRIOR FILING DATE: 2000-03-04
;  PRIOR APPLICATION NUMBER: US 60/107,852
;  PRIOR FILING DATE: 1998-11-10
;  PRIOR APPLICATION NUMBER: US 60/113,997
;  PRIOR FILING DATE: 1998-12-28
;  PRIOR APPLICATION NUMBER: US 60/150,604
;  PRIOR FILING DATE: 1999-08-26
;  PRIOR APPLICATION NUMBER: US 60/157,108
;  PRIOR FILING DATE: 1999-10-04
;  PRIOR APPLICATION NUMBER: US 60/157,756
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: US 09/438,046
;  PRIOR FILING DATE: 1999-11-10
;  PRIOR APPLICATION NUMBER: US 09/691,200
;  PRIOR FILING DATE: 2000-10-19
;  NUMBER OF SEQ ID NOS: 42
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 200
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-260-539-4

  Query Match            100.0%;  Score 177;  DB 9;  Length 200;
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  Best Local Similarity   100.0%;  Pred. No. 4e-17;
  Matches   32;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32
              ||||||||||||||||||||||||||||||||
Db        169 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 200


RESULT 5
US-10-083-853-2
; Sequence 2, Application US/10083853
; Patent No. US20020164709A1
; GENERAL INFORMATION:
;  APPLICANT: Affymetrix, Inc
;  APPLICANT:  Shigeta, Ron T
;  APPLICANT:  Siani-Rose, Michael A
;  TITLE OF INVENTION: Nucleic Acid Encoding Growth Factor Protein
;  FILE REFERENCE: 3385.1
;  CURRENT APPLICATION NUMBER: US/10/083,853
;  CURRENT FILING DATE:  2002-02-26
;  PRIOR APPLICATION NUMBER: USSN 60/272,663
;  PRIOR FILING DATE: 2001-03-01
;  NUMBER OF SEQ ID NOS: 2
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;   LENGTH: 317
;   TYPE: PRT
;   ORGANISM: Homo Sapiens
US-10-083-853-2

  Query Match             100.0%;  Score 177;  DB 9;  Length 317;
  Best Local Similarity   100.0%;  Pred. No. 6.4e-17;
  Matches   32;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32
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Db        286 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 317


RESULT 6
US-10-086-623-6
; Sequence 6, Application US/10086623
; Patent No. US20020164710A1
; GENERAL INFORMATION:
;  APPLICANT: ERIKSSON, Ulf
;  APPLICANT:  AASE, Karin
;  APPLICANT:  LI, Xuri
;  APPLICANT:  PONTEN, Annica
;  APPLICANT:  UUTELA, Marko
;  APPLICANT:  ALITALO, Kari
;  APPLICANT:  OESTMAN, Arne
;  APPLICANT:  HELDIN, Carl-Henrik
;  TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES TH
;  FILE REFERENCE: 1064/44833C2
;  CURRENT APPLICATION NUMBER: US/10/086,623
;  CURRENT FILING DATE:  2000-03-04
;  PRIOR APPLICATION NUMBER: US 60/107,852
;  PRIOR FILING DATE: 1998-11-10
;  PRIOR APPLICATION NUMBER: US 60/113,997
;  PRIOR FILING DATE: 1998-12-28
;  PRIOR APPLICATION NUMBER: US 60/150,604
;  PRIOR FILING DATE: 1999-08-26
;  PRIOR APPLICATION NUMBER: US 60/157,108
;  PRIOR FILING DATE: 1999-10-04
;  PRIOR APPLICATION NUMBER: US 60/157,756
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: US 09/438,046
;  PRIOR FILING DATE: 1999-11-10
;  PRIOR APPLICATION NUMBER: US 09/691,200
;  PRIOR FILING DATE: 2000-10-19
;  NUMBER OF SEQ ID NOS: 42
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 322
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-086-623-6

  Query Match             100.0%;  Score 177;  DB 9;  Length 322;
  Best Local Similarity   100.0%;  Pred. No. 6.5e-17;
  Matches   32;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32
              ||||||||||||||||||||||||||||||||
Db        291 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 322


RESULT 7
US-10-260-539-6
; Sequence 6, Application US/10260539
; Publication No. US20030073637A1
; GENERAL INFORMATION:
;  APPLICANT: ERIKSSON, Ulf
;  APPLICANT:  AASE, Karin
;  APPLICANT:  LI, Xuri
;  APPLICANT:  PONTEN, Annica
;  APPLICANT:  UUTELA, Marko
;  APPLICANT:  ALITALO, Kari
;  APPLICANT:  OESTMAN, Arne
;  APPLICANT:  HELDIN, Carl-Henrik
;  TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES
;  FILE REFERENCE: 1064/44833C2
;  CURRENT APPLICATION NUMBER: US/10/260,539
;  CURRENT FILING DATE:  2002-10-01
;  PRIOR APPLICATION NUMBER: US/10/086,623
;  PRIOR FILING DATE: 2000-03-04
;  PRIOR APPLICATION NUMBER: US 60/107,852
;  PRIOR FILING DATE: 1998-11-10
;  PRIOR APPLICATION NUMBER: US 60/113,997
;  PRIOR FILING DATE: 1998-12-28
;  PRIOR APPLICATION NUMBER: US 60/150,604
;  PRIOR FILING DATE: 1999-08-26
;  PRIOR APPLICATION NUMBER: US 60/157,108
;  PRIOR FILING DATE: 1999-10-04
;  PRIOR APPLICATION NUMBER: US 60/157,756
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: US 09/438,046
;  PRIOR FILING DATE: 1999-11-10
;  PRIOR APPLICATION NUMBER: US 09/691,200
;  PRIOR FILING DATE: 2000-10-19
;  NUMBER OF SEQ ID NOS: 42
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 322
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-260-539-6

  Query Match             100.0%;  Score 177;  DB 9;  Length 322;
  Best Local Similarity   100.0%;  Pred. No. 6.5e-17;
  Matches   32;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32
              ||||||||||||||||||||||||||||||||
Db        291 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 322


RESULT 8
US-10-028-072-186
; Sequence 186, Application US/10028072
; Publication No. US20030004311A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
```

; APPLICANT: Filvaroff,Ellen
; APPLICANT: Gao,Wei-Qiang
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Sherwood,Steven
; APPLICANT: Smith,Victoria
; APPLICANT: Stewart,Timothy A.
; APPLICANT: Tumas,Daniel
; APPLICANT: Watanabe,Colin K
; APPLICANT: Wood,William
; APPLICANT: Zhang
; TITLE OF INVENTION:
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/028,072
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059836
; PRIOR FILING DATE: 1997-09-24
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062285
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062814
; PRIOR FILING DATE: 1997-10-24
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; PRIOR APPLICATION NUMBER: 60/063045
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; PRIOR APPLICATION NUMBER: 60/063082
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/063127
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063327
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: 60/063329
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: 60/063550
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063561
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; PRIOR APPLICATION NUMBER: 60/063704
; PRIOR FILING DATE: 1997-10-29
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; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/069212
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; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069334
; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069694
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 60/072320
; PRIOR FILING DATE: 1998-01-23
; PRIOR APPLICATION NUMBER: 60/073612
; PRIOR FILING DATE: 1998-02-04
; PRIOR APPLICATION NUMBER: 60/074086
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/074092
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079663
; PRIOR FILING DATE: 1998-02-27
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/080165
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/081203
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081229
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081695
; PRIOR FILING DATE: 1998-04-14
; PRIOR APPLICATION NUMBER: 60/081817
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081818
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; PRIOR FILING DATE: 1998-04-24
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083545
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085149
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085339

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;  PRIOR FILING DATE: 1998-05-13
;  PRIOR APPLICATION NUMBER: 60/085579
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/085697
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/085704
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/086414
;  PRIOR FILING DATE: 1998-05-22
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;  PRIOR FILING DATE: 1998-05-22
;  PRIOR APPLICATION NUMBER: 60/087106
;  PRIOR FILING DATE: 1998-05-28
;  PRIOR APPLICATION NUMBER: 60/088026
;  PRIOR FILING DATE: 1998-06-04
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;  PRIOR APPLICATION NUMBER: 60/088741
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;  PRIOR APPLICATION NUMBER: 60/088810
;  PRIOR FILING DATE: 1998-06-10
;  PRIOR APPLICATION NUMBER: 60/088858
;  PRIOR FILING DATE: 19/98-06-11
;  PRIOR APPLICATION NUMBER: 60/089532
;  PRIOR FILING DATE: 1998-06-17
;  PRIOR APPLICATION NUMBER: 60/089599
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;  PRIOR APPLICATION NUMBER: 60/089907
;  PRIOR FILING DATE: 1998-06-18
;  PRIOR APPLICATION NUMBER: 60/089947
;  PRIOR FILING DATE: 1998-06-19
;  PRIOR APPLICATION NUMBER: 60/090349
;  PRIOR FILING DATE: 1998-06-23
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;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: 60/090445
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: 60/090538
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: 60/090863
;  PRIOR FILING DATE: 1998-06-26
;  PRIOR APPLICATION NUMBER: 60/091360
;  PRIOR FILING DATE: 1998-07-01
;  PRIOR APPLICATION NUMBER: 60/091519
;  PRIOR FILING DATE: 1998-07-02
;  PRIOR APPLICATION NUMBER: 60/091982
;  PRIOR FILING DATE: 1998-07-07

  Query Match           100.0%;  Score 177;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-17;
  Matches   32;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32
              ||||||||||||||||||||||||||||||||
Db        333 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 364


RESULT 9
US-10-121-049-186
; Sequence 186, Application US/10121049
; Publication No. US20030022239A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C17
;  CURRENT APPLICATION NUMBER: US/10/121,049
;  CURRENT FILING DATE:  2002-04-12
;       Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-121-049-186

  Query Match           100.0%;  Score 177;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-17;
  Matches   32;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32
              ||||||||||||||||||||||||||||||||
Db        333 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 364


RESULT 10
US-10-123-904-186
; Sequence 186, Application US/10123904
; Publication No. US20030022328A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C54
;  CURRENT APPLICATION NUMBER: US/10/123,904
;  CURRENT FILING DATE:  2002-04-16
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-123-904-186

  Query Match           100.0%;  Score 177;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-17;
  Matches   32;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32
              ||||||||||||||||||||||||||||||||
Db        333 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 364


RESULT 11
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US-10-140-470-186
; Sequence 186, Application US/10140470
; Publication No. US20030022331A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C160
;  CURRENT APPLICATION NUMBER: US/10/140,470
;  CURRENT FILING DATE:  2002-05-06
;  Prior Application removed - See Palm or File Wrapper
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-140-470-186

  Query Match             100.0%;  Score 177;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-17;
  Matches   32;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32
              ||||||||||||||||||||||||||||||||
Db        333 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 364


RESULT 12
US-10-175-746-186
; Sequence 186, Application US/10175746
; Publication No. US20030027270A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C353
;  CURRENT APPLICATION NUMBER: US/10/175,746
;  CURRENT FILING DATE:  2002-06-19
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-175-746-186

  Query Match             100.0%;  Score 177;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-17;
  Matches   32;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32
              ||||||||||||||||||||||||||||||||
Db        333 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 364


RESULT 13
US-10-176-918-186
; Sequence 186, Application US/10176918
; Publication No. US20030027275A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C382
;  CURRENT APPLICATION NUMBER: US/10/176,918
;  CURRENT FILING DATE:  2002-06-20
;     Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-176-918-186

  Query Match             100.0%;  Score 177;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-17;
  Matches   32;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db        333 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 364


RESULT 14
US-10-176-921-186
; Sequence 186, Application US/10176921
; Publication No. US20030027276A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
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;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C288
;  CURRENT APPLICATION NUMBER: US/10/176,921
;  CURRENT FILING DATE:  2002-06-20
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-176-921-186

  Query Match             100.0%;  Score 177;  DB 9;  Length 364;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-17;
  Matches   32;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32
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Db        333 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 364


RESULT 15
US-10-137-865-186
; Sequence 186, Application US/10137865
; Publication No. US20030032155A1
; GENERAL INFORMATION:
;  APPLICANT: Baker,Kevin P.
;  APPLICANT:  Beresini,Maureen
;  APPLICANT:  DeForge,Laura
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gao,Wei-Qiang
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Sherwood,Steven
;  APPLICANT:  Smith,Victoria
;  APPLICANT:  Stewart,Timothy A.
;  APPLICANT:  Tumas,Daniel
;  APPLICANT:  Watanabe,Colin K
;  APPLICANT:  Wood,William
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE: P3330R1C154
;  CURRENT APPLICATION NUMBER: US/10/137,865
;  CURRENT FILING DATE:  2002-05-03
;  Prior Application removed - See Palm or File Wrapper
;  NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
;   LENGTH: 364
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-137-865-186

  Query Match             100.0%;  Score 177;  DB 9;  Length 364;
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  Matches   32;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 32
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Db        333 KRRGRAKTMALVDIQLDHHERCDCICSSRPPR 364
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